

**Lenovo** **Think**Products

# PSREF



**Product Specifications Reference**

Version 512, September 2017

**U.S.**

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**Lenovo** **ThinkPad** Laptops

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Version 510, August 2017

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# Summary of Changes

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This section describes the technical changes made in this edition.

This edition might also include minor corrections and editorial changes which are not identified.

## August 2, 2017 - Version 510

### Additions in this update

► **New product(s)**

None

► **New model(s)**

ThinkPad T470 new models announced August 2017

ThinkPad T460s new models announced August 2017

ThinkPad T470s new models announced July 2017

ThinkPad X270 new models announced August 2017

ThinkPad X1 Carbon (5<sup>th</sup> Gen) new models announced July 2017

► **Others**

None

### Withdrawals in this update

► **Withdrawn product(s)**

ThinkPad L460

ThinkPad L560

ThinkPad T460

ThinkPad T460p

ThinkPad T460s

ThinkPad T560

ThinkPad P50s

ThinkPad 13

ThinkPad X260

ThinkPad X1 Carbon (4th Gen)



# ThinkPad 11e (3<sup>rd</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

| Processor   | Intel® Celeron® Processor, Intel Pentium® Processor, or 6th Generation Intel Core™ i3 Processor  |              |                |                 |       |              |                       | Media reader   | 4-in-1 reader (MMC, SD, SDHC, SDXC)  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
|---|--|--------------|----------------|-----------------|-------|--------------|-----------------------|--|--|----------------|-----------------|-------|--------------|--------------------|-----------|---|---|---------|----------|-----|------------|-------------------|-----------|---------|----------|-----|-----------------------|-----------|---|---|---------|---|-----|-----------------------|----------|---------|---|-----|-----------------------|----------|--|--|
|   |  |              |                |                 |       |              |                       | Ports  | Two USB 3.0, HDMI, Ethernet (RJ-45)  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
|   |  |              |                |                 |       |              |                       | Control buttons  | Power button, volume control button  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
|   |  |              |                |                 |       |              |                       | Camera   | HD720p resolution, low light sensitive, fixed focus  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
|   |  |              |                |                 |       |              |                       | Audio support  | HD Audio, Realtek® ALC3245 codec / stereo speakers, 2W x 2 / monaural digital microphone, combo audio/microphone jack  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| <table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Burst Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>Cel N3150</td> <td rowspan="2">4</td> <td rowspan="2">4</td> <td>1.6 GHz</td> <td>2.08 GHz</td> <td>2MB</td> <td rowspan="4">DDR3L-1600</td> <td>Intel HD graphics</td> </tr> <tr> <td>Cel N3160</td> <td>1.6 GHz</td> <td>2.24 GHz</td> <td>2MB</td> <td>Intel HD graphics 400</td> </tr> <tr> <td>Pen 4405U</td> <td rowspan="2">2</td> <td rowspan="2">4</td> <td>2.1 GHz</td> <td>-</td> <td>2MB</td> <td>Intel HD graphics 510</td> </tr> <tr> <td>i3-6100U</td> <td>2.3 GHz</td> <td>-</td> <td>3MB</td> <td>Intel HD graphics 520</td> </tr> </tbody> </table> |  |              |                |                 |       |              | Processor Number      | # of Cores   | # of Threads   | Base Frequency | Burst Frequency | Cache | Memory Types | Processor Graphics | Cel N3150 | 4 | 4 | 1.6 GHz | 2.08 GHz | 2MB | DDR3L-1600 | Intel HD graphics | Cel N3160 | 1.6 GHz | 2.24 GHz | 2MB | Intel HD graphics 400 | Pen 4405U | 2 | 4 | 2.1 GHz | - | 2MB | Intel HD graphics 510 | i3-6100U | 2.3 GHz | - | 3MB | Intel HD graphics 520 | Keyboard | ThinkPad Windows keyboard, 6-row, multimedia Fn keys |  |
| Processor Number  | # of Cores   | # of Threads | Base Frequency | Burst Frequency | Cache | Memory Types | Processor Graphics    |  |  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Cel N3150   | 4  | 4            | 1.6 GHz        | 2.08 GHz        | 2MB   | DDR3L-1600   | Intel HD graphics     |  |  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Cel N3160   |  |              | 1.6 GHz        | 2.24 GHz        | 2MB   |              | Intel HD graphics 400 |  |  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Pen 4405U   | 2  | 4            | 2.1 GHz        | -               | 2MB   |              | Intel HD graphics 510 |  |  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| i3-6100U  |  |              | 2.3 GHz        | -               | 3MB   |              | Intel HD graphics 520 |  |  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
|   |  |              |                |                 |       |              | Touchpad              | Buttonless touchpad below keyboard, multi-touch  |  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Graphics  | Intel HD Graphics, Intel HD Graphics 510, or Intel HD Graphics 520 in processor, supports external digital monitor via HDMI™; supports dual independent display; Max resolution: 1920X1080 (HDMI)@30Hz |              |                |                 |       |              |                       | Security   | Power-on password, hard disk password, supervisor password, security keyhole   |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Chipset   | Intel SoC (System on Chip) platform  |              |                |                 |       |              |                       | Security chip  | <i>Win7 model:</i> discrete TPM 1.2, TCG Certified   |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Memory  | 2GB, 4GB, or 8GB / PC3-12800 1600MHz DDR3L, one DDR3L SO-DIMM socket   |              |                |                 |       |              |                       |  | <i>Win10 model:</i> discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 in chipset   |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Display   | 11.6" (295mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio  |              |                |                 |       |              |                       | vPro   | None   |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Multi-touch   | None   |              |                |                 |       |              |                       | Fingerprint reader   | None   |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Hinge   | Normal hinge, 180 degree   |              |                |                 |       |              |                       | Battery  | Integrated Lithium Polymer 3-cell (42Wh)   |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Storage   | M.2 Solid State Drive (SSD), SATA 6.0Gb/s  |              |                |                 |       |              |                       | Max battery life <sup>10</sup>   | <i>MobileMark® 2014:</i> 11.53 hr  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Optical   | None   |              |                |                 |       |              |                       | AC adapter   | 45-watt AC adapter   |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Ethernet  | Realtek RTL8111GUS-CG Gigabit Network Connection   |              |                |                 |       |              |                       | Preload  | Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64<br>• Lenovo Solution Center<br>• ThinkVantage Product Recovery<br>• Rescue and Recovery™<br>• ThinkVantage System Update<br>• Adobe® Reader®<br>• Microsoft® Office preloaded; purchase a product key to activate<br>• McAfee® LiveSafe™ (30-day trial) |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| WLAN <sup>4</sup>   | <i>One of the following, configurable by model:</i><br>• 11ac+BT, Intel Dual Band Wireless-AC 3165, 1x1, M.2 card<br>• 11ac+BT, Intel Dual Band Wireless-AC 7265, 2x2, M.2 card                        |              |                |                 |       |              |                       | • Microsoft Office preloaded; purchase a product key to activate<br>• McAfee® LiveSafe™ (30-day trial) |  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Bluetooth™  | Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter  |              |                |                 |       |              |                       | Limited warranty <sup>12</sup>   | <i>One of the following, configurable by model:</i><br>• 1-year depot repair service<br>• 3-year/1-yr battery depot repair service (US only)   |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| WWAN  | None   |              |                |                 |       |              |                       | Mil-Spec test  | MIL-STD-810G military certification  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Dimensions <sup>3</sup>   | WxDxH: 11.81" x 8.27" x 0.88"; 300mm x 210mm x 22.3mm  |              |                |                 |       |              |                       | Environment  | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Weight <sup>2</sup>   | Starting at 3.3 lb (1.5kg)   |              |                |                 |       |              |                       |  |  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Case color  | <i>Display cover:</i> Graphite Black or Silver; <i>Bottom:</i> Graphite Black  |              |                |                 |       |              |                       |  |  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |
| Case material   | <i>Display cover:</i> PC+40%GF+TPU; <i>Bottom:</i> PCC   |              |                |                 |       |              |                       |  |  |                |                 |       |              |                    |           |   |   |         |          |     |            |                   |           |         |          |     |                       |           |   |   |         |   |     |                       |          |         |   |     |                       |          |  |  |

Lenovo  
November 2016

ThinkPad 11e (3rd Gen) - TopSeller - 20GB

Product Specifications Reference (PSREF)

| Model      | Region | Processor     | Graphics     | Memory | Display             | Multi-touch | Storage             | Optical | WLAN + Bluetooth           | Color | Camera | Keyboard    | Finger-print Reader | TPM                 | Battery (internal) | Power Adapter | Operating System  | Warranty      | Ann Date (m/y) |
|------------|--------|---------------|--------------|--------|---------------------|-------------|---------------------|---------|----------------------------|-------|--------|-------------|---------------------|---------------------|--------------------|---------------|-------------------|---------------|----------------|
| 20GB000JUS | US     | Celeron N3150 | Intel HD     | 4GBx1  | 11.6" HD (1366x768) | None        | 192GB SSD M.2       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM1.2 + FW TPM2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 02/16          |
| 20GB000KUS | US     | Celeron N3150 | Intel HD     | 8GBx1  | 11.6" HD (1366x768) | None        | 192GB SSD M.2       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM1.2 + FW TPM2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 02/16          |
| 20GB000LUS | US     | Celeron N3150 | Intel HD     | 8GBx1  | 11.6" HD (1366x768) | None        | 128GB SSD M.2       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM1.2 + FW TPM2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 02/16          |
| 20GB000MUS | US     | Celeron N3150 | Intel HD     | 8GBx1  | 11.6" HD (1366x768) | None        | 256GB SSD M.2 Opal2 | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM1.2 + FW TPM2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 02/16          |
| 20GB000NUS | US     | Celeron N3150 | Intel HD     | 4GBx1  | 11.6" HD (1366x768) | None        | 128GB SSD M.2       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM1.2 + FW TPM2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 02/16          |
| 20GB000PUS | US     | i3-6100U      | Intel HD 520 | 4GBx1  | 11.6" HD (1366x768) | None        | 128GB SSD M.2       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM1.2 + FW TPM2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 02/16          |
| 20GB000QUS | US     | i3-6100U      | Intel HD 520 | 8GBx1  | 11.6" HD (1366x768) | None        | 128GB SSD M.2       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM1.2 + FW TPM2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 02/16          |
| 20GB000RUS | US     | i3-6100U      | Intel HD 520 | 8GBx1  | 11.6" HD (1366x768) | None        | 192GB SSD M.2       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM1.2 + FW TPM2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 02/16          |
| 20GB000SUS | US     | i3-6100U      | Intel HD 520 | 8GBx1  | 11.6" HD (1366x768) | None        | 256GB SSD M.2 Opal2 | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM1.2 + FW TPM2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 02/16          |
| 20GB000UUS | US     | i3-6100U      | Intel HD 520 | 4GBx1  | 11.6" HD (1366x768) | None        | 192GB SSD M.2       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM1.2 + FW TPM2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 02/16          |
| 20GB001HUS | US     | Celeron N3160 | Intel HD 400 | 4GBx1  | 11.6" HD (1366x768) | None        | 128GB SSD M.2       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM1.2 + FW TPM2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 09/16          |
| 20GB001JUS | US     | Celeron N3160 | Intel HD 400 | 4GBx1  | 11.6" HD (1366x768) | None        | 256GB SSD M.2 Opal2 | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM1.2 + FW TPM2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 09/16          |
| 20GB001KUS | US     | Celeron N3160 | Intel HD 400 | 8GBx1  | 11.6" HD (1366x768) | None        | 128GB SSD M.2       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM1.2 + FW TPM2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 09/16          |
| 20GB001LUS | US     | Celeron N3160 | Intel HD 400 | 8GBx1  | 11.6" HD (1366x768) | None        | 256GB SSD M.2 Opal2 | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM1.2 + FW TPM2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 09/16          |



# ThinkPad 11e (4<sup>th</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

|               |   |                                     |              |                |                        |       |              |                       |                    |  |
|---------------|---|-------------------------------------|--------------|----------------|------------------------|-------|--------------|-----------------------|--------------------|--|
| Processor     | Intel® Celeron® processor or 7th Generation Intel Core™ i3 Processor  |                                     |              |                |                        |       |              |                       | Media reader       | 4-in-1 reader (MMC, SD, SDHC, SDXC)  |
|               | Processor Number  | # of Cores                          | # of Threads | Base Frequency | Burst Frequency        | Cache | Memory Types | Processor Graphics    | Ports              | Two USB 3.1 Gen 1 (USB 3.0), HDMI 1.4b, Ethernet (RJ-45)   |
|               | Cel N3450   | 4                                   | 4            | 1.1 GHz        | 2.2 GHz                | 2MB   | DDR3L-1600   | Intel HD Graphics 500 | Control buttons    | Power button, volume control button  |
|               | i3-7100U  | 2                                   | 4            | 2.4 GHz        | -                      | 3MB   | DDR4-2133    | Intel HD Graphics 620 | Camera             | HD720p resolution, low light sensitive, fixed focus  |
| Graphics      | Intel HD Graphics 500 or 620 in processor, supports external digital monitor via HDMI™; supports dual independent display; Max resolution: 1920X1080 (HDMI) @60Hz |                                     |              |                |                        |       |              |                       | Audio support      | HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / monaural digital microphone, combo audio/microphone jack  |
|               | Chipset   | Intel SoC (System on Chip) platform |              |                |                        |       |              |                       |                    | Keyboard   |
| Memory        | 4GB or 8GB / 1600MHz DDR3L or 2133MHz DDR4, one DDR3L or DDR4 SO-DIMM socket  |                                     |              |                |                        |       |              |                       | Touchpad           | Buttonless touchpad below keyboard, multi-touch  |
| Display       | 11.6" (295mm) HD (1366x768), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 500:1 contrast ratio   |                                     |              |                |                        |       |              |                       | Security           | Power-on password, hard disk password, supervisor password, security keyhole   |
| Multi-touch   | None  |                                     |              |                |                        |       |              |                       | Security chip      | Discrete TPM 2.0, TCG Certified  |
| Hinge         | Normal hinge, 180 degree  |                                     |              |                |                        |       |              |                       | vPro               | None   |
| Storage       | M.2 Solid State Drive (SSD), SATA 6.0Gb/s   |                                     |              |                |                        |       |              |                       | Fingerprint reader | None   |
| Optical       | None  |                                     |              |                |                        |       |              |                       | Battery            | Integrated Lithium Polymer 3-cell (42Wh)   |
| Ethernet      | Realtek RTL8111GUS-CG Gigabit Network Connection  |                                     |              |                |                        |       |              |                       | Max battery life   | MobileMark® 2014: 13.65 hr   |
| WLAN          | Intel Dual Band Wireless-AC 7265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card  |                                     |              |                |                        |       |              |                       | AC adapter         | 45W AC adapter   |
| Bluetooth™    | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter   |                                     |              |                |                        |       |              |                       | Preload            | Some: Windows® 10 Home 64<br>Some: Windows 10 Pro 64<br>• Lenovo Companion<br>• Lenovo Setting<br>• Microsoft Office preloaded; purchase a product key to activate |
| WWAN          | None  |                                     |              |                |                        |       |              |                       | Limited warranty   | One of the following, configurable by model:<br>• 1-year depot repair service<br>• 3-year/1-yr battery depot repair service  |
| Dimensions    | WxDxH: 11.81" x 8.27" x 0.88"; 300mm x 210mm x 22.3mm   |                                     |              |                |                        |       |              |                       | Mil-Spec test      | MIL-STD-810G military certification  |
| Weight        | Starting at 3.3 lb (1.52kg)   |                                     |              |                |                        |       |              |                       | Environment        | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant  |
| Case color    | Display cover: Graphite Black;  |                                     |              |                | Bottom: Graphite Black |       |              |                       |                    |  |
| Case material | Display cover: PC+40%GF+TPU;  |                                     |              |                | Bottom: PC/ABS plastic |       |              |                       |                    |  |

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## ThinkPad 11e (4th Gen) - TopSeller - 20HV

Product Specifications Reference (PSREF)

| Model      | Region | Processor     | vPro | Graphics     | Memory           | Display             | Multi-touch | Storage(HDD/SSD)    | Optical | WLAN + Bluetooth           | Color | Camera | Key-board   | Finger-print Reader | TPM      | Battery (internal) | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|---------------|------|--------------|------------------|---------------------|-------------|---------------------|---------|----------------------------|-------|--------|-------------|---------------------|----------|--------------------|---------------|------------------|---------------|----------------|
| 20HV0000US | US     | i3-7100U      | No   | Intel HD 620 | 8GBx1 DDR4-2133  | 11.6" HD (1366x768) | None        | 128GB SSD M.2       | None    | Intel 7265 ac, 2x2 + BT4.1 | Black | 720p   | Non-backlit | None                | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20HV0001US | US     | i3-7100U      | No   | Intel HD 620 | 4GBx1 DDR4-2133  | 11.6" HD (1366x768) | None        | 128GB SSD M.2       | None    | Intel 7265 ac, 2x2 + BT4.1 | Black | 720p   | Non-backlit | None                | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20HV000MUS | US     | Celeron N3450 | No   | Intel HD 500 | 4GBx1 DDR3L-1600 | 11.6" HD (1366x768) | None        | 128GB SSD M.2       | None    | Intel 7265 ac, 2x2 + BT4.1 | Black | 720p   | Non-backlit | None                | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20HV000VUS | US     | Celeron N3450 | No   | Intel HD 500 | 8GBx1 DDR3L-1600 | 11.6" HD (1366x768) | None        | 128GB SSD M.2       | None    | Intel 7265 ac, 2x2 + BT4.1 | Black | 720p   | Non-backlit | None                | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20HV000XUS | US     | Celeron N3450 | No   | Intel HD 500 | 8GBx1 DDR3L-1600 | 11.6" HD (1366x768) | None        | 256GB SSD M.2 Opal2 | None    | Intel 7265 ac, 2x2 + BT4.1 | Black | 720p   | Non-backlit | None                | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20HV0015US | US     | i3-7100U      | No   | Intel HD 620 | 8GBx1 DDR4-2133  | 11.6" HD (1366x768) | None        | 256GB SSD M.2 Opal2 | None    | Intel 7265 ac, 2x2 + BT4.1 | Black | 720p   | Non-backlit | None                | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |





# ThinkPad 11e Chromebook (3<sup>rd</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

|                   |  |            |              |                |                 |                       |              |                    |  |   |
|-------------------|--|------------|--------------|----------------|-----------------|-----------------------|--------------|--------------------|--|---|
| Processor         | Intel® Celeron® Processor  |            |              |                |                 |                       |              |                    | Dimensions <sup>3</sup>                                | <i>WxDxH:</i> 11.81" x 8.27" x 0.88"; 300mm x 210mm x 22.3mm  |
|                   | Processor Number   | # of Cores | # of Threads | Base Frequency | Burst Frequency | Cache                 | Memory Types | Processor Graphics | Weight <sup>2</sup>                                    | Starting at 3.3 lb (1.5kg)  |
|                   | Cel N3150  | 4          | 4            | 1.6 GHz        | 2.08 GHz        | 2MB                   | DDR3L-1600   | Intel HD graphics  | Case color   | <i>Display cover:</i> Graphite Black or Silver; <i>Bottom:</i> Graphite Black                               |
| Cel N3160         |  |            | 1.6 GHz      | 2.24 GHz       | 2MB             | Intel HD graphics 400 |              | Case material      | <i>Display cover:</i> PC+40%GF+TPU; <i>Bottom:</i> PCC |   |
| Graphics          | Intel HD Graphics or Intel HD Graphics 400 in processor, supports external digital monitor via HDMI™; supports dual independent display; Max resolution: 1920X1080 (HDMI)@30Hz |            |              |                |                 |                       |              |                    | Media reader   | 4-in-1 reader (MMC, SD, SDHC, SDXC)   |
| Chipset           | Intel SoC (System on Chip) platform  |            |              |                |                 |                       |              |                    | Ports  | Two USB 3.0 (one Always On), HDMI   |
| Memory            | 2GB or 4GB / 1600MHz LPDDR3 / soldered to systemboard, no sockets  |            |              |                |                 |                       |              |                    | Control buttons  | None  |
| Display           | 11.6" (295mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio  |            |              |                |                 |                       |              |                    | Camera   | HD720p resolution, low light sensitive, fixed focus   |
| Multi-touch       | None   |            |              |                |                 |                       |              |                    | Audio support  | Realtek® ALC5650 codec / stereo speakers, 2W x 2 / monaural digital microphone, combo audio/microphone jack |
| Hinge             | Normal hinge, 180 degree   |            |              |                |                 |                       |              |                    | Keyboard   | ThinkPad Chrome keyboard, 6-row, multimedia Fn keys   |
| Storage           | 16GB eMMC (embedded Multi Media Card) flash memory on board  |            |              |                |                 |                       |              |                    | Touchpad   | Buttonless touchpad below keyboard, multi-touch   |
| Optical           | None   |            |              |                |                 |                       |              |                    | Security   | Security keyhole  |
| Ethernet          | None   |            |              |                |                 |                       |              |                    | Security chip  | Discrete TPM 1.2, TCG Certified   |
| WLAN <sup>4</sup> | 11ac+BT, Intel Dual Band Wireless-AC 7265, 2x2, M.2 card   |            |              |                |                 |                       |              |                    | vPro   | None  |
| Bluetooth™        | Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter  |            |              |                |                 |                       |              |                    | Fingerprint reader                                     | None  |
| WWAN              | None   |            |              |                |                 |                       |              |                    | Battery  | Integrated Lithium Polymer 3-cell (42Wh)  |
|                   |  |            |              |                |                 |                       |              |                    | Max battery life <sup>10</sup>                         | Up to 12 hr   |
|                   |  |            |              |                |                 |                       |              |                    | AC adapter   | 45-watt AC adapter  |
|                   |  |            |              |                |                 |                       |              |                    | Preload  | Google Chrome OS  |
|                   |  |            |              |                |                 |                       |              |                    | Limited warranty <sup>12</sup>                         | 1-year depot repair service   |
|                   |  |            |              |                |                 |                       |              |                    | Mil-Spec test  | MIL-STD-810G military certification   |
|                   |  |            |              |                |                 |                       |              |                    | Environment  | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant   |

Lenovo  
April 2017

# ThinkPad 11e Chromebook (3rd Gen) - TopSeller - 20GF

Product Specifications Reference (PSREF)

| Model      | Region | Processor     | Graphics     | Memory (Soldered) | Display             | Multi-touch | Storage   | Optical | WLAN + Bluetooth           | Color | Camera | Key-board   | Finger-print Reader | TPM      | Battery (internal) | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|---------------|--------------|-------------------|---------------------|-------------|-----------|---------|----------------------------|-------|--------|-------------|---------------------|----------|--------------------|---------------|------------------|---------------|----------------|
| 20GF0001US | US     | Celeron N3150 | Intel HD     | 4GB Soldered      | 11.6" HD (1366x768) | None        | 16GB eMMC | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM 1.2 | 3-cell (42Wh)      | 45W           | Chrome OS        | 1-year, Depot | 03/16          |
| 20GF0003US | US     | Celeron N3160 | Intel HD 400 | 4GB Soldered      | 11.6" HD (1366x768) | None        | 16GB eMMC | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None                | dTPM 1.2 | 3-cell (42Wh)      | 45W           | Chrome OS        | 1-year, Depot | 10/16          |



# ThinkPad 11e Chromebook (4<sup>th</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

|             |  |            |              |                |                 |       |              |                       |   |  |
|-------------|--|------------|--------------|----------------|-----------------|-------|--------------|-----------------------|---|--|
| Processor   | Intel® Celeron® Processor  |            |              |                |                 |       |              |                       | Dimensions  | <i>WxDxH:</i> 11.81" x 8.27" x 0.90"; 300mm x 210mm x 22.8mm   |
|             | Processor Number   | # of Cores | # of Threads | Base Frequency | Burst Frequency | Cache | Memory Types | Processor Graphics    | Weight  | Starting at 3.2 lb (1.45kg)  |
|             | Cel N3450  | 4          | 4            | 1.1 GHz        | 2.2 GHz         | 2MB   | LPDDR4-2400  | Intel HD Graphics 500 | Case color  | <i>Display cover:</i> Graphite Black; <i>Bottom:</i> Graphite Black  |
|             |  |            |              |                |                 |       |              |                       | Case material   | <i>Display cover:</i> PC+40%GF+TPU; <i>Bottom:</i> PC/ABS plastic  |
| Graphics    | Intel HD Graphics 500 in processor   |            |              |                |                 |       |              |                       | Media reader  | MicroSD card reader (MMC, SD, SDHC, SDXC)  |
| Chipset     | Intel SoC (System on Chip) platform  |            |              |                |                 |       |              |                       | Ports   | One USB 3.1 Gen 1 (USB 3.0), two USB Type-C  |
| Memory      | 4GB / 3200MHz LPDDR4 / soldered to systemboard, no sockets<br>* System clocks down for processors with lower memory controller |            |              |                |                 |       |              |                       | Control buttons   | None   |
| Display     | 11.6" (295mm) HD (1366x768), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 500:1 contrast ratio                      |            |              |                |                 |       |              |                       | Camera  | HD720p resolution, low light sensitive, fixed focus  |
| Multi-touch | None   |            |              |                |                 |       |              |                       | Audio support   | Dialog Semiconductor DA7219 audio codec / stereo speakers, 2W x 2 / monaural digital microphone, combo audio/microphone jack |
| Hinge       | Normal hinge, 180 degree   |            |              |                |                 |       |              |                       | Keyboard  | ThinkPad Chrome keyboard, 6-row, multimedia Fn keys  |
| Storage     | 32GB eMMC (embedded Multi Media Card) flash memory on board  |            |              |                |                 |       |              |                       | Touchpad  | Buttonless touchpad below keyboard, multi-touch  |
| Optical     | None   |            |              |                |                 |       |              |                       | Security  | Security keyhole   |
| Ethernet    | None   |            |              |                |                 |       |              |                       | Security chip   | Discrete TPM 2.0, TCG Certified  |
| WLAN        | Intel Dual Band Wireless-AC 7265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card   |            |              |                |                 |       |              |                       | vPro  | None   |
| Bluetooth™  | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter  |            |              |                |                 |       |              |                       | Fingerprint reader                                      | None   |
| WWAN        | None   |            |              |                |                 |       |              |                       | Battery   | Integrated Lithium Polymer 3-cell (42Wh)   |
|             |  |            |              |                |                 |       |              | Max battery life      | Up to 11.84 hr  |  |
|             |  |            |              |                |                 |       |              | AC adapter            | 45W USB Type-C AC adapter                               |  |
|             |  |            |              |                |                 |       |              | Preload               | Google Chrome OS  |  |
|             |  |            |              |                |                 |       |              | Limited warranty      | 1-year depot repair service                             |  |
|             |  |            |              |                |                 |       |              | Mil-Spec test         | MIL-STD-810G military certification                     |  |
|             |  |            |              |                |                 |       |              | Environment           | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant |  |

Lenovo  
July 2017

# ThinkPad 11e Chromebook (4th Gen) - TopSeller - 20J0

Product Specifications Reference (PSREF)

| Model      | Region | Processor     | vPro | Graphics     | Memory (Soldered) | Display             | Multi-touch | Storage   | Optical | WLAN + Bluetooth           | Color | Camera | Key-board   | Finger-print Reader | TPM      | Battery (internal) | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|---------------|------|--------------|-------------------|---------------------|-------------|-----------|---------|----------------------------|-------|--------|-------------|---------------------|----------|--------------------|---------------|------------------|---------------|----------------|
| 20J00000US | US     | Celeron N3450 | No   | Intel HD 500 | 4GB Soldered      | 11.6" HD (1366x768) | None        | 32GB eMMC | None    | Intel 7265 ac, 2x2 + BT4.1 | Black | 720p   | Non-backlit | None                | dTPM 2.0 | 3-cell (42Wh)      | 45W USB-C     | Chrome OS        | 1-year, Depot | 04/17          |



# ThinkPad 13 (2nd Gen) Platform Specifications

Product Specifications Reference (PSREF)

|                   |   |            |              |                |                     |       |              |                       |   |   |
|-------------------|---|------------|--------------|----------------|---------------------|-------|--------------|-----------------------|---|---|
| Processor         | Intel® Celeron® Processor or 7th Generation Intel Core™ i3 / i5 / i7 Processor  |            |              |                |                     |       |              |                       | Smart card reader   | None  |
|                   | Processor Number  | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics    | Media reader Ports  | 4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Three USB 3.1 Gen 1 (USB 3.0, one Always On), one USB Type-C, HDMI, Lenovo OneLink+ connector  |
|                   | Cel 3865U   | 2          | 4            | 1.8 GHz        | -                   | 2MB   | DDR4-2133    | Intel HD Graphics 610 | Camera Audio support  | HD720p resolution, low light sensitive, fixed focus<br>HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack  |
|                   | i3-7100U  |            |              | 2.4 GHz        | -                   | 3MB   |              | Intel HD Graphics 620 |   |   |
|                   | i5-7200U  |            |              | 2.5 GHz        | 3.1 GHz             | 3MB   |              |                       |   |   |
| i5-7300U          | 2.6 GHz   |            |              | 3.5 GHz        | 3MB                 |       |              |                       |   |   |
| i7-7500U          | 2.7 GHz   | 3.5 GHz    | 4MB          |                |                     |       |              | Keyboard UltraNav™    | 6-row, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch |   |
| Graphics          | Intel HD Graphics 610 or 620 in processor, supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 1920x1080 (HDMI)@60Hz, 3840x2160 (USB Type-C)@60Hz  |            |              |                |                     |       |              |                       | Security Security chip vPro (optional) Fingerprint reader   | Power-on password, hard disk password, supervisor password, security keyhole<br>Discrete TPM 2.0, TCG Certified<br>Intel vPro Technology<br><i>Optional</i> : swipe style fingerprint reader on the palm rest |
| Chipset Memory    | Intel SoC (System on Chip) platform<br>32GB max / 2133MHz DDR4, two DDR4 SO-DIMM sockets  |            |              |                |                     |       |              |                       | Battery Max battery life AC adapter   | Integrated Lithium Polymer 3-cell (42Wh)<br><i>MobileMark® 2014</i> : 14.56 hr<br>45W AC adapter  |
| Display           | <i>Some</i> : 13.3" (338mm) HD (1366x768), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 500:1 contrast ratio<br><i>Some</i> : 13.3" (338mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle |            |              |                |                     |       |              |                       | Preload   | <i>Some</i> : Windows® 10 Home 64<br><i>Some</i> : Windows 10 Pro 64<br>• Lenovo Companion<br>• Lenovo Setting<br>• Microsoft Office preloaded; purchase a product key to activate                            |
| Multi-touch (opt) | On-cell touch, supports 10-finger gesture (FHD only)  |            |              |                |                     |       |              |                       | Limited warranty  | <i>One of the following, configurable by model:</i><br>• 1-year depot repair service<br>• 3-year/1-yr battery depot repair service<br>• 3-year/1-yr battery limited onsite service                            |
| Storage           | <i>Some</i> : M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)<br><i>Some</i> : M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)   |            |              |                |                     |       |              |                       |   |   |
| Optical           | None  |            |              |                |                     |       |              |                       | Mil-Spec test   | MIL-STD-810G military certification   |
| Ethernet          | Gigabit Ethernet via the accessional ThinkPad OneLink+ to RJ45 Adapter (4X90K06975) or ThinkPad OneLink+ to VGA/RJ45 adapter (4X90J31060) (by native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro))   |            |              |                |                     |       |              |                       | Environment   | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant   |
| WLAN Bluetooth™   | Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card<br>Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br>* Intel 8265ac card supports Bluetooth 4.2 but is limited to BT 4.1 by Windows OS  |            |              |                |                     |       |              |                       |   |   |
| WWAN              | None  |            |              |                |                     |       |              |                       |   |   |
| Dimensions        | <i>WxDxH (silver)</i> : 12.69" x 8.77" x 0.75"; 322.4mm x 222.8mm x 19.1mm<br><i>WxDxH (black)</i> : 12.69" x 8.77" x 0.78"; 322.4mm x 222.8mm x 19.8mm   |            |              |                |                     |       |              |                       |   |   |
| Weight            | Starting at 3.17 lb / 1.44 kg   |            |              |                |                     |       |              |                       |   |   |
| Case color        | Pure Black or Silver  |            |              |                |                     |       |              |                       |   |   |
| Case material     | <i>Black cover</i> : PC/ABS plastic;<br><i>Silver cover</i> : Aluminum  |            |              |                |                     |       |              |                       |   |   |

| Model      | Region | Processor     | vPro | Graphics     | Memory | Display                   | Multi-touch          | Storage(HDD/SSD)    | Optical | WLAN + Bluetooth           | Color  | Camera | Keyboard    | Fingerprint Reader | TPM      | Battery (internal) | Power Adapter | Operating System  | Warranty      | Ann Date (m/y) |
|------------|--------|---------------|------|--------------|--------|---------------------------|----------------------|---------------------|---------|----------------------------|--------|--------|-------------|--------------------|----------|--------------------|---------------|-------------------|---------------|----------------|
| 20J10006US | US     | i3-7100U      | No   | Intel HD 620 | 4GBx1  | 13.3" HD (1366x768)       | None                 | 128GB SSD M.2       | None    | Intel 8265 ac, 2x2 + BT4.1 | Black  | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 12/16          |
| 20J1000AUS | US     | i5-7200U      | No   | Intel HD 620 | 4GBx1  | 13.3" HD (1366x768)       | None                 | 256GB SSD M.2 Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Black  | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 12/16          |
| 20J1000EUS | US     | i5-7200U      | No   | Intel HD 620 | 8GBx1  | 13.3" HD (1366x768)       | None                 | 256GB SSD M.2 Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Black  | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 12/16          |
| 20J1001BUS | US     | i3-7100U      | No   | Intel HD 620 | 4GBx1  | 13.3" FHD (1920x1080) IPS | 10-point Multi-touch | 128GB SSD M.2       | None    | Intel 8265 ac, 2x2 + BT4.1 | Black  | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 12/16          |
| 20J1001CUS | US     | i5-7200U      | No   | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Black  | 720p   | Backlit     | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 3-year, Depot | 12/16          |
| 20J1001DUS | US     | i5-7200U      | No   | Intel HD 620 | 4GBx1  | 13.3" FHD (1920x1080) IPS | 10-point Multi-touch | 128GB SSD M.2       | None    | Intel 8265 ac, 2x2 + BT4.1 | Black  | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 12/16          |
| 20J1001EUS | US     | i3-7100U      | No   | Intel HD 620 | 4GBx1  | 13.3" FHD (1920x1080) IPS | 10-point Multi-touch | 128GB SSD M.2       | None    | Intel 8265 ac, 2x2 + BT4.1 | Silver | 720p   | Non-backlit | None               | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 12/16          |
| 20J1001FUS | US     | i5-7200U      | No   | Intel HD 620 | 4GBx1  | 13.3" HD (1366x768)       | None                 | 128GB SSD M.2       | None    | Intel 8265 ac, 2x2 + BT4.1 | Silver | 720p   | Non-backlit | None               | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 12/16          |
| 20J1001GUS | US     | i5-7200U      | No   | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Silver | 720p   | Backlit     | None               | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 3-year, Depot | 12/16          |
| 20J1001HUS | US     | i3-7100U      | No   | Intel HD 620 | 4GBx1  | 13.3" HD (1366x768)       | None                 | 128GB SSD M.2       | None    | Intel 8265 ac, 2x2 + BT4.1 | Silver | 720p   | Non-backlit | None               | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 12/16          |
| 20J1001JUS | US     | i5-7200U      | No   | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Silver | 720p   | Non-backlit | None               | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 12/16          |
| 20J10022US | US     | i5-7200U      | No   | Intel HD 620 | 4GBx1  | 13.3" HD (1366x768)       | None                 | 180GB SSD M.2       | None    | Intel 8265 ac, 2x2 + BT4.1 | Black  | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 01/17          |
| 20J10023US | US     | i3-7100U      | No   | Intel HD 620 | 4GBx1  | 13.3" HD (1366x768)       | None                 | 180GB SSD M.2       | None    | Intel 8265 ac, 2x2 + BT4.1 | Black  | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 01/17          |
| 20J10024US | US     | i5-7300U      | vPro | Intel HD 620 | 4GBx1  | 13.3" HD (1366x768)       | None                 | 180GB SSD M.2       | None    | Intel 8265 ac, 2x2 + BT4.1 | Black  | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 3-year, Depot | 03/17          |
| 20J10025US | US     | i5-7300U      | vPro | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Black  | 720p   | Backlit     | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 3-year, Depot | 03/17          |
| 20J10045US | US     | Celeron 3865U | No   | Intel HD 610 | 4GBx1  | 13.3" HD (1366x768)       | None                 | 128GB SSD M.2       | None    | Intel 8265 ac, 2x2 + BT4.1 | Silver | 720p   | Non-backlit | None               | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 3-year, Depot | 03/17          |
| 20J10046US | US     | Celeron 3865U | No   | Intel HD 610 | 4GBx1  | 13.3" HD (1366x768)       | None                 | 128GB SSD M.2       | None    | Intel 8265 ac, 2x2 + BT4.1 | Black  | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 03/17          |
| 20J10047US | US     | Celeron 3865U | No   | Intel HD 610 | 4GBx1  | 13.3" FHD (1920x1080) IPS | 10-point Multi-touch | 128GB SSD M.2       | None    | Intel 8265 ac, 2x2 + BT4.1 | Black  | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 3-year, Depot | 03/17          |
| 20J10048US | US     | Celeron 3865U | No   | Intel HD 610 | 4GBx1  | 13.3" HD (1366x768)       | None                 | 128GB SSD M.2       | None    | Intel 8265 ac, 2x2 + BT4.1 | Black  | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 3-year, Depot | 03/17          |
| 20J10049US | US     | Celeron 3865U | No   | Intel HD 610 | 4GBx1  | 13.3" FHD (1920x1080) IPS | 10-point Multi-touch | 128GB SSD M.2       | None    | Intel 8265 ac, 2x2 + BT4.1 | Silver | 720p   | Non-backlit | None               | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 3-year, Depot | 03/17          |



| Model      | Region | Processor     | vPro | Graphics     | Memory | Display                   | Multi-touch          | Storage(HDD/SSD) | Optical | WLAN + Bluetooth           | Color | Camera | Keyboard    | Fingerprint Reader | TPM      | Battery (internal) | Power Adapter | Operating System  | Warranty      | Ann Date (m/y) |
|------------|--------|---------------|------|--------------|--------|---------------------------|----------------------|------------------|---------|----------------------------|-------|--------|-------------|--------------------|----------|--------------------|---------------|-------------------|---------------|----------------|
| 20J1004AUS | US     | Celeron 3865U | No   | Intel HD 610 | 4GBx1  | 13.3" FHD (1920x1080) IPS | 10-point Multi-touch | 128GB SSD M.2    | None    | Intel 8265 ac, 2x2 + BT4.1 | Black | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 1-year, Depot | 03/17          |
| 20J1004BUS | US     | Celeron 3865U | No   | Intel HD 610 | 4GBx2  | 13.3" FHD (1920x1080) IPS | 10-point Multi-touch | 128GB SSD M.2    | None    | Intel 8265 ac, 2x2 + BT4.1 | Black | 720p   | Backlit     | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 3-year, Depot | 03/17          |
| 20J1004CUS | US     | Celeron 3865U | No   | Intel HD 610 | 4GBx2  | 13.3" HD (1366x768)       | None                 | 128GB SSD M.2    | None    | Intel 8265 ac, 2x2 + BT4.1 | Black | 720p   | Backlit     | Fingerprint Reader | dTPM 2.0 | 3-cell (42Wh)      | 45W           | Windows 10 Pro 64 | 3-year, Depot | 03/17          |



# ThinkPad 13 Chromebook Platform Specifications

Product Specifications Reference (PSREF)

|                   |   |            |              |                |                     |       |              |                       |                                |  |
|-------------------|---|------------|--------------|----------------|---------------------|-------|--------------|-----------------------|--------------------------------|--|
| Processor         | Intel® Celeron® Processor or 6th Generation Intel Core™ i3 / i5 Processor   |            |              |                |                     |       |              |                       | Dimensions <sup>3</sup>        | <i>WxDxH:</i> 12.69" x 8.77" x 0.78"; 322.4mm x 222.8mm x 19.8mm   |
|                   | Processor Number  | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics    | Weight <sup>2</sup>            | Starting at 3.1 lb / 1.41 kg   |
|                   | Cel 3855U   | 2          | 2            | 1.6 GHz        | -                   | 2MB   | LPDDR3-1866  | Intel HD graphics 510 | Case color                     | Pure Black   |
|                   | i3-6100U  |            | 4            | 2.3 GHz        | -                   | 3MB   |              | Intel HD graphics 520 | Case material                  | PC/ABS plastic   |
| i5-6300U          | 4   |            | 2.4 GHz      | 3.0 GHz        | 3MB                 |       |              |                       |                                |  |
| Graphics          | Intel HD Graphics 510 or 520 in processor, supports external digital monitor via USB Type-C; supports three independent displays; Max resolution: 3840X2160 (USB Type-C) @60Hz  |            |              |                |                     |       |              |                       | Smart card reader              | None   |
| Chipset           | Intel SoC (System on Chip) platform   |            |              |                |                     |       |              |                       | Media reader                   | 4-in-1 reader (MMC, SD, SDHC, SDXC)  |
| Memory            | 4GB or 8GB / 1866MHz LPDDR3 / soldered to systemboard, no sockets   |            |              |                |                     |       |              |                       | Ports                          | Two USB 3.0 (Always On), two USB Type-C  |
| Display           | <i>Some:</i> 13.3" (338mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio<br><i>Some:</i> 13.3" (338mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 220 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle<br><i>Some:</i> 13.3" (338mm) FHD (1920x1080), glossy, LED backlight, IPS, multi-touch, 250 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle |            |              |                |                     |       |              |                       | Camera                         | HD720p resolution, low light sensitive, fixed focus  |
| Multi-touch (opt) | Capacitive-type multi-touch, supports 10-finger gesture   |            |              |                |                     |       |              |                       | Audio support                  | HD Audio, Nuvoton NAU88L25B codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack |
| Storage           | 16GB or 32GB eMMC (embedded Multi Media Card) flash memory on board   |            |              |                |                     |       |              |                       | Keyboard                       | ThinkPad Chrome keyboard, 6-row, multimedia Fn keys  |
| Optical           | None  |            |              |                |                     |       |              |                       | Touchpad                       | Buttonless touchpad below keyboard, multi-touch  |
| Ethernet          | None  |            |              |                |                     |       |              |                       | Security                       | Security keyhole   |
| WLAN <sup>4</sup> | 11ac+BT, Intel Dual Band Wireless-AC 7265, 2x2, M.2 card  |            |              |                |                     |       |              |                       | Security chip                  | Discrete TPM 1.2, TCG Certified  |
| Bluetooth™        | Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter   |            |              |                |                     |       |              |                       | vPro                           | None   |
| WWAN              | None  |            |              |                |                     |       |              |                       | Fingerprint reader             | None   |
|                   |   |            |              |                |                     |       |              |                       | Battery                        | Integrated Lithium Polymer 3-cell (42Wh)   |
|                   |   |            |              |                |                     |       |              |                       | Max battery life <sup>10</sup> | 10 hr  |
|                   |   |            |              |                |                     |       |              |                       | AC adapter                     | USB Type-C 45-watt AC adapter  |
|                   |   |            |              |                |                     |       |              |                       | Preload                        | Google Chrome OS   |
|                   |   |            |              |                |                     |       |              |                       | Limited warranty <sup>12</sup> | 1-year depot repair service  |
|                   |   |            |              |                |                     |       |              |                       | Mil-Spec test                  | MIL-STD-810G military certification  |
|                   |   |            |              |                |                     |       |              |                       | Environment                    | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant  |

## ThinkPad 13 Chromebook - TopSeller - 20GL

Product Specifications Reference (PSREF)

| Model      | Region | Processor     | vPro | Graphics     | Storage   | Memory (Soldered) | Display                              | Multi-touch          | Optical | WLAN + Bluetooth           | Color | Camera | Keyboard    | Fingerprint Reader | TPM      | Battery (internal) | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|---------------|------|--------------|-----------|-------------------|--------------------------------------|----------------------|---------|----------------------------|-------|--------|-------------|--------------------|----------|--------------------|---------------|------------------|---------------|----------------|
| 20GL0000US | US     | Celeron 3855U | No   | Intel HD 510 | 16GB eMMC | 4GB Soldered      | 13.3" HD (1366x768) Anti-glare       | None                 | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None               | dTPM 1.2 | 3-cell (42Wh)      | 45W           | Chrome OS        | 1-year, Depot | 05/16          |
| 20GL0002US | US     | i3-6100U      | No   | Intel HD 520 | 16GB eMMC | 4GB Soldered      | 13.3" HD (1366x768) Anti-glare       | None                 | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None               | dTPM 1.2 | 3-cell (42Wh)      | 45W           | Chrome OS        | 1-year, Depot | 05/16          |
| 20GL0004US | US     | i5-6300U      | No   | Intel HD 520 | 32GB eMMC | 8GB Soldered      | 13.3" FHD (1920x1080) IPS Anti-glare | None                 | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None               | dTPM 1.2 | 3-cell (42Wh)      | 45W           | Chrome OS        | 1-year, Depot | 05/16          |
| 20GL0005US | US     | i5-6300U      | No   | Intel HD 520 | 32GB eMMC | 8GB Soldered      | 13.3" HD (1366x768) Anti-glare       | None                 | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None               | dTPM 1.2 | 3-cell (42Wh)      | 45W           | Chrome OS        | 1-year, Depot | 05/16          |
| 20GL0006US | US     | Celeron 3855U | No   | Intel HD 510 | 16GB eMMC | 4GB Soldered      | 13.3" FHD (1920x1080) IPS Glossy     | 10-point Multi-touch | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None               | dTPM 1.2 | 3-cell (42Wh)      | 45W           | Chrome OS        | 1-year, Depot | 10/16          |
| 20GL0007US | US     | i5-6300U      | No   | Intel HD 520 | 32GB eMMC | 8GB Soldered      | 13.3" FHD (1920x1080) IPS Glossy     | 10-point Multi-touch | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None               | dTPM 1.2 | 3-cell (42Wh)      | 45W           | Chrome OS        | 1-year, Depot | 10/16          |
| 20GL0008US | US     | i3-6100U      | No   | Intel HD 520 | 16GB eMMC | 4GB Soldered      | 13.3" FHD (1920x1080) IPS Glossy     | 10-point Multi-touch | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | Non-backlit | None               | dTPM 1.2 | 3-cell (42Wh)      | 45W           | Chrome OS        | 1-year, Depot | 10/16          |



# ThinkPad E460 Platform Specifications

Product Specifications Reference (PSREF)

|               |  |            |              |                |                     |               |              |                       |                    |  |   |
|---------------|--|------------|--------------|----------------|---------------------|---------------|--------------|-----------------------|--------------------|--|---|
| Processor     | 6th Generation Intel® Core™ i3 / i5 / i7 Processor   |            |              |                |                     |               |              |                       | Smart Card Reader  | None   |   |
|               | Processor Number   | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache         | Memory Types | Processor Graphics    | ExpressCard        | None   |   |
|               | i3-6100U   | 2          | 4            | 2.3 GHz        | -                   | 3MB           | DDR3L-1600   | Intel HD Graphics 520 | Multicard Reader   | 4-in-1 reader (MMC, SD, SDHC, SDXC)  |   |
|               | i5-6200U   |            |              | 2.3 GHz        | 2.8 GHz             | 3MB           |              |                       | Ports              | Three USB 3.0 (one Always On), HDMI, Ethernet (RJ-45),<br>Lenovo OneLink connector, combo audio / microphone jack  |   |
| i7-6500U      | 2.5 GHz  |            |              | 3.1 GHz        | 4MB                 | Monitor cable |              |                       | None               |  |   |
| Graphics      | Intel HD Graphics in processor only, or AMD Radeon R5 M330 Graphics, 2GB DDR3 memory, or AMD Radeon R7 M360 Graphics, 2GB DDR3 memory, digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent displays; Max resolution: 1920x1080 (HDMI) @60Hz   |            |              |                |                     |               |              |                       | Camera             | <i>Some:</i> HD720p resolution, fixed focus  |   |
| Chipset       | Intel SoC (System on Chip) platform  |            |              |                |                     |               |              |                       | Audio support      | HD Audio, Conexant® CX11852 codec, Dolby® Advanced Audio™ / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack   |   |
| Memory        | 16GB max / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets  |            |              |                |                     |               |              |                       | Keyboard           | 6-row, spill-resistant, multimedia Fn keys   |   |
| Display       | <i>Some:</i> 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio<br><i>Some:</i> 14.0" (355mm) FHD (1920x1080) color, anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio  |            |              |                |                     |               |              |                       | UltraNav™          | TrackPoint® pointing device and multi-touch with 3+2 buttons click pad   |   |
| Multi-touch   | None   |            |              |                |                     |               |              |                       | ThinkLight™        | None   |   |
| Storage       | <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable<br><i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™<br><i>Some:</i> SSHD with 8GB NAND flash memory  |            |              |                |                     |               |              |                       | Security           | Power-on password, hard disk password, supervisor password, security keyhole   |   |
| Optical       | None   |            |              |                |                     |               |              |                       | Security chip      | TPM2.0 : Trusted Platform Module, TPM2.0 FW (firmware)   |   |
| M.2 SSD       | None   |            |              |                |                     |               |              |                       | TPM1.2:            | Trusted Platform Module, TCG 1.2-compliant   |   |
| Ethernet      | Gigabit Ethernet Connection  |            |              |                |                     |               |              |                       | TPM :              | TPM2.0 and TPM1.2  |   |
| Bluetooth™    | Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter  |            |              |                |                     |               |              |                       | vPro               | None   |   |
| WLAN          | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Intel Dual Band Wireless-AC 3165, 1x1, Wi-Fi + BT combo adapter, M.2 Card</li> <li>Intel Dual Band Wireless-AC 8260, 2x2, Wi-Fi + BT combo adapter, M.2 Card</li> <li>BCM, Broadcom Wireless-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card</li> <li>QCA, Qualcomm Wireless-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card</li> </ul> |            |              |                |                     |               |              |                       | Fingerprint reader | <i>Some:</i> Fingerprint reader on the keyboard bezel, swipe sensor  |   |
| WWAN          | None   |            |              |                |                     |               |              |                       | NFC                | None   |   |
| SIM card      | None   |            |              |                |                     |               |              |                       | Battery type       | Li-Ion 6-cell (47Wh)   |   |
| Dimensions    | <i>Aluminum (WxDxH):</i> 13.35" x 9.41" x 0.90"; 339mm x 239mm x 22.9mm<br><i>PC/ABS (WxDxH):</i> 13.35" x 9.41" x 0.96"; 339mm x 239mm x 24.4mm   |            |              |                |                     |               |              |                       | Battery life       | 6-cell (47Wh): up to 9.0 hr  |   |
| Weight        | From 4.23 lb (1.92kg)  |            |              |                |                     |               |              |                       | AC adapter         | <i>Some:</i> 45-watt AC adapter (Integrated Graphics)<br><i>Some:</i> 65-watt AC adapter (Discrete Graphics)   |   |
| Case color    | Graphite black   |            |              |                |                     |               |              |                       | Preload            | <i>Some:</i> No operating system<br><i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 <ul style="list-style-type: none"> <li>Lenovo Solution Center</li> <li>Lenovo SHAREit</li> <li>ThinkVantage Product Recovery</li> <li>Rescue and Recovery™</li> <li>ThinkVantage System Update</li> <li>PC Device Stage</li> <li>Adobe® Reader®</li> <li>Microsoft® Office preloaded; purchase a product key to activate</li> <li>McAfee® Live Safe (30-day trial)</li> </ul> | <i>Some:</i> Windows 10 Pro 64<br><i>Some:</i> Windows 10 Home 64 <ul style="list-style-type: none"> <li>Lenovo Solution Center</li> <li>Lenovo REACHit</li> <li>Lenovo SHAREit</li> <li>Lenovo Companion</li> <li>Lenovo Settings</li> <li>ThinkVantage System Update</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>McAfee® Live Safe (30-day trial)</li> </ul> |
| Case material | <i>Aluminum:</i> Aluminum display cover<br><i>PC/ABS:</i> PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic display cover   |            |              |                |                     |               |              |                       | Limited warranty   | <b>1-year</b> - depot repair service / service upgrades available  |   |
|               |  |            |              |                |                     |               |              |                       | Mil-Spec test      | None   |   |
|               |  |            |              |                |                     |               |              |                       | Environment        | EPEAT™ Gold; ENERGY STAR®; RoHS-compliant  |   |

## ThinkPad E460 - TopSeller - 20ET

Product Specifications Reference (PSREF)

| Model      | Region | Processor | vPro | Graphics        | Memory | Display                 | Multi-touch | Storage         | Optical | WLAN + Bluetooth           | WWAN | SIM Card | Color | Case Material | Camera | Keyboard    | Fingerprint Reader | TPM                 | Battery       | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|-----------------|--------|-------------------------|-------------|-----------------|---------|----------------------------|------|----------|-------|---------------|--------|-------------|--------------------|---------------------|---------------|---------------|----------------------|---------------|----------------|
| 20ET000YUS | US     | i3-6100U  | No   | Intel HD 520    | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm   | None    | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 1.2            | 6-cell (47Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20ET0010US | US     | i5-6200U  | No   | Intel HD 520    | 8GBx1  | 14" HD (1366x768)       | None        | 192GB SSD       | None    | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 1.2            | 6-cell (47Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20ET0011US | US     | i3-6100U  | No   | Intel HD 520    | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm   | None    | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM1.2 + FW TPM2.0 | 6-cell (47Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20ET0012US | US     | i5-6200U  | No   | Intel HD 520    | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm   | None    | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM1.2 + FW TPM2.0 | 6-cell (47Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20ET0013US | US     | i7-6500U  | No   | AMD R7 M360 2GB | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 500GB 7200rpm   | None    | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | Aluminum      | 720p   | Non-backlit | Fingerprint Reader | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20ET0014US | US     | i5-6200U  | No   | Intel HD 520    | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm   | None    | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 1.2            | 6-cell (47Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20ET0015US | US     | i3-6100U  | No   | Intel HD 520    | 4GBx1  | 14" HD (1366x768)       | None        | 192GB SSD       | None    | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 1.2            | 6-cell (47Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20ET0016US | US     | i5-6200U  | No   | Intel HD 520    | 8GBx1  | 14" HD (1366x768)       | None        | 192GB SSD       | None    | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM1.2 + FW TPM2.0 | 6-cell (47Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20ET0017US | US     | i5-6200U  | No   | Intel HD 520    | 4GBx1  | 14" HD (1366x768)       | None        | 192GB SSD       | None    | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM1.2 + FW TPM2.0 | 6-cell (47Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20ET0018US | US     | i3-6100U  | No   | Intel HD 520    | 4GBx1  | 14" HD (1366x768)       | None        | 192GB SSD       | None    | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM1.2 + FW TPM2.0 | 6-cell (47Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20ET0019US | US     | i7-6500U  | No   | AMD R7 M360 2GB | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 192GB SSD       | None    | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | Aluminum      | 720p   | Non-backlit | Fingerprint Reader | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20ET001AUS | US     | i5-6200U  | No   | Intel HD 520    | 4GBx1  | 14" HD (1366x768)       | None        | 192GB SSD       | None    | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 1.2            | 6-cell (47Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20ET001BUS | US     | i7-6500U  | No   | AMD R7 M360 2GB | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 192GB SSD       | None    | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | Aluminum      | 720p   | Non-backlit | Fingerprint Reader | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20ET001CUS | US     | i7-6500U  | No   | AMD R7 M360 2GB | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 500GB 7200rpm   | None    | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | Aluminum      | 720p   | Non-backlit | Fingerprint Reader | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20ET004GUS | US     | i7-6500U  | No   | AMD R7 M360 2GB | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 256GB SSD Opal2 | None    | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | Aluminum      | 720p   | Non-backlit | Fingerprint Reader | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 04/16          |
| 20ET004HUS | US     | i7-6500U  | No   | AMD R7 M360 2GB | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 256GB SSD Opal2 | None    | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | Aluminum      | 720p   | Non-backlit | Fingerprint Reader | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 04/16          |
| 20ET004VUS | US     | i5-6200U  | No   | Intel HD 520    | 4GBx1  | 14" HD (1366x768)       | None        | 256GB SSD Opal2 | None    | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 1.2            | 6-cell (47Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 09/16          |
| 20ET004WUS | US     | i5-6200U  | No   | Intel HD 520    | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 256GB SSD Opal2 | None    | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | Aluminum      | 720p   | Non-backlit | Fingerprint Reader | dTPM 1.2            | 6-cell (47Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 09/16          |
| 20ET0054US | US     | i5-6200U  | No   | Intel HD 520    | 8GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm   | None    | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM1.2 + FW TPM2.0 | 6-cell (47Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 10/16          |
| 20ET0055US | US     | i5-6200U  | No   | Intel HD 520    | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 500GB 7200rpm   | None    | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | Aluminum      | 720p   | Non-backlit | Fingerprint Reader | dTPM1.2 + FW TPM2.0 | 6-cell (47Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 10/16          |







# ThinkPad E465 Platform Specifications

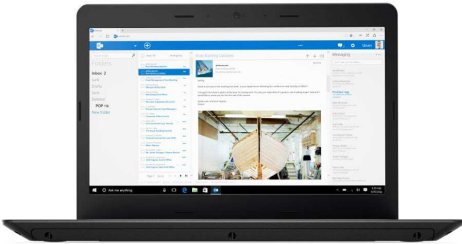
Product Specifications Reference (PSREF)

|               |  |            |              |             |                     |       |              |                        |                    |  |
|---------------|--|------------|--------------|-------------|---------------------|-------|--------------|------------------------|--------------------|--|
| Processor     | AMD Accelerated Processor A6, A8, or A10 APU   |            |              |             |                     |       |              |                        | Smart Card Reader  | None   |
|               | Processor Number   | # of Cores | # of Threads | Clock Speed | Max Turbo Frequency | Cache | Memory Types | Graphics               | ExpressCard        | None   |
|               | A6-8500P   | 2          | 6            | 1.6 GHz     | 3.0 GHz             | 1MB   | DDR3L-1600   | R5 Graphics            | Multicard Reader   | 4-in-1 reader (MMC, SD, SDHC, SDXC)  |
|               | A6-8500P   | 2          | 6            | 1.6 GHz     | 3.0 GHz             | 1MB   |              | R5 M330                | Ports              | Three USB 3.0 (one Always On), HDMI, Ethernet (RJ-45), Lenovo OneLink connector, combo audio / microphone jack   |
|               | A8-8600P   | 4          | 10           | 1.6 GHz     | 3.0 GHz             | 2MB   |              | R6 M335DX (R6+R5 M330) | Monitor cable      | None   |
|               | A10-8700P  | 4          | 10           | 1.8 GHz     | 3.2 GHz             | 2MB   |              | R6 M340DX (R6+R5 M330) | Camera             | HD720p resolution, fixed focus   |
| Graphics      | AMD Radeon™ R5 Graphics in processor only, or AMD Radeon R5 M330 Graphics, 2GB DDR3 memory, or Dual Graphics support for A8 and A10 APU digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display<br>Max resolution: 1920x1080 (HDMI) @60Hz |            |              |             |                     |       |              |                        | Audio support      | HD Audio, Conexant® CX11852 codec, Dolby® Advanced Audio™ / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack   |
| Chipset       | AMD SoC (System on Chip) platform  |            |              |             |                     |       |              |                        | Keyboard           | 6-row, spill-resistant, multimedia Fn keys   |
| Memory        | 16GB max / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets  |            |              |             |                     |       |              |                        | UltraNav™          | TrackPoint® pointing device and multi-touch with 3+2 buttons click pad   |
| Display       | Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio<br>Some: 14.0" (355mm) FHD (1920x1080) color, anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio  |            |              |             |                     |       |              |                        | ThinkLight™        | None   |
| Multi-touch   | None   |            |              |             |                     |       |              |                        | Security           | Power-on password, hard disk password, supervisor password, security keyhole   |
| Storage       | Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable<br>Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™<br>Some: SSHD with 8GB NAND flash memory   |            |              |             |                     |       |              |                        | Security chip      | TPM2.0 : Trusted Platform Module, TPM2.0 FW (firmware)<br>TPM1.2: Trusted Platform Module, TCG 1.2-compliant<br>TPM : TPM2.0 and TPM1.2  |
| Optical       | None   |            |              |             |                     |       |              |                        | vPro               | None   |
| M.2 SSD       | None   |            |              |             |                     |       |              |                        | Fingerprint reader | Some: Fingerprint reader on the keyboard bezel, swipe sensor   |
| Ethernet      | Gigabit Ethernet Connection  |            |              |             |                     |       |              |                        | NFC                | None   |
| Bluetooth™    | Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter  |            |              |             |                     |       |              |                        | Battery type       | Li-Ion 6-cell (47Wh)   |
| WLAN          | One of the following, configurable by model:<br>• BCM, Broadcom Wireless-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card<br>• QCA, Qualcomm Wireless-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card   |            |              |             |                     |       |              |                        | Battery life       | Up to 6.5 hr   |
| WWAN          | None   |            |              |             |                     |       |              |                        | AC adapter         | Some: 45-watt AC adapter (Integrated Graphics)<br>Some: 65-watt AC adapter (Discrete Graphics)   |
| SIM card      | None   |            |              |             |                     |       |              |                        | Preload            | Some: No operating system<br>Some: Windows® 7 Professional 64<br>Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64<br>• Lenovo Solution Center<br>• Lenovo SHAREit<br>• ThinkVantage Product Recovery<br>• Rescue and Recovery™<br>• ThinkVantage System Update<br>• PC Device Stage<br>• Adobe® Reader®<br>• Microsoft® Office preloaded;<br>purchase a product key to activate<br>• McAfee® Live Safe (30-day trial) |
| Dimensions    | Aluminum (WxDxH): 13.35" x 9.41" x 0.90"; 339mm x 239mm x 22.9mm<br>PC/ABS (WxDxH): 13.35" x 9.41" x 0.96"; 339mm x 239mm x 24.4mm   |            |              |             |                     |       |              |                        | Limited warranty   | 1-year - depot repair service / service upgrades available   |
| Weight        | From 4.27 lb (1.94kg)  |            |              |             |                     |       |              |                        | Environment        | EPEAT™ Gold; ENERGY STAR®; RoHS-compliant  |
| Case color    | Graphite black   |            |              |             |                     |       |              |                        |                    |  |
| Case material | Aluminum: Aluminum display cover<br>PC/ABS: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic display cover   |            |              |             |                     |       |              |                        |                    |  |

ThinkPad E465 - TopSeller - 20EX

Product Specifications Reference (PSREF)

| Model      | Region | Processor     | vPro | Graphics          | Memory | Display                 | Multi-touch | Storage       | Optical | WLAN + Bluetooth         | WWAN | SIM Card | Color | Case Material | Camera | Keyboard    | Fingerprint Reader | TPM                 | Battery       | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|---------------|------|-------------------|--------|-------------------------|-------------|---------------|---------|--------------------------|------|----------|-------|---------------|--------|-------------|--------------------|---------------------|---------------|---------------|----------------------|---------------|----------------|
| 20EX0008US | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 5400rpm | None    | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EX0009US | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 14" HD (1366x768)       | None        | 192GB SSD     | None    | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EX000AUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 5400rpm | None    | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EX000BUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 14" HD (1366x768)       | None        | 500GB 5400rpm | None    | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EX000CUS | US     | AMD A6-8500P  | No   | AMD R5 Graphics   | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 5400rpm | None    | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM 1.2            | 6-cell (47Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EX000DUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 14" HD (1366x768)       | None        | 500GB 5400rpm | None    | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EX000EUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 14" HD (1366x768)       | None        | 192GB SSD     | None    | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EX001JUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 4GBx1  | 14" FHD (1920x1080) IPS | None        | 500GB 5400rpm | None    | QCA435 ac, 1x1 + BT4.0   | None | None     | Black | Aluminum      | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 06/16          |
| 20EX001KUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 192GB SSD     | None    | QCA435 ac, 1x1 + BT4.0   | None | None     | Black | Aluminum      | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 06/16          |
| 20EX001LUS | US     | AMD A6-8500P  | No   | AMD R5 Graphics   | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 5400rpm | None    | QCA435 ac, 1x1 + BT4.0   | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM 1.2            | 6-cell (47Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/16          |
| 20EX001MUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 14" HD (1366x768)       | None        | 192GB SSD     | None    | QCA435 ac, 1x1 + BT4.0   | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/16          |
| 20EX001NUS | US     | AMD A6-8500P  | No   | AMD R5 Graphics   | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 5400rpm | None    | QCA435 ac, 1x1 + BT4.0   | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM1.2 + FW TPM2.0 | 6-cell (47Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 06/16          |
| 20EX001PUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 14" HD (1366x768)       | None        | 500GB 5400rpm | None    | QCA435 ac, 1x1 + BT4.0   | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/16          |
| 20EX001QUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 500GB 5400rpm | None    | QCA435 ac, 1x1 + BT4.0   | None | None     | Black | Aluminum      | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 06/16          |
| 20EX001RUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 5400rpm | None    | QCA435 ac, 1x1 + BT4.0   | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (47Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/16          |



# ThinkPad E470 Platform Specifications

Product Specifications Reference (PSREF)

|  |  |            |              |                |                     |       |                   |                       |  |  |
|--|--|------------|--------------|----------------|---------------------|-------|-------------------|-----------------------|--|--|
| Processor                                      | 7th Generation Intel® Core™ i3 / i5 / i7 Processor   |            |              |                |                     |       |                   |                       | Dimensions<br><i>Aluminum (WxDxH):</i> 13.35" x 9.53" x 0.88"; 339mm x 242mm x 22.4mm<br><i>PC/ABS (WxDxH):</i> 13.35" x 9.53" x 0.93"; 339mm x 242mm x 23.7mm |  |
|  | Processor Number   | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Controller | Processor Graphics    |  |  |
|  | i3-6100U   | 2          | 4            | 2.3 GHz        | -                   | 3MB   | DDR4-2133         | Intel HD Graphics 520 |  |  |
|  | i5-6200U   |            |              | 2.3 GHz        | 2.8 GHz             | 3MB   |                   |                       |  |  |
|  | i7-6500U   |            |              | 2.5 GHz        | 3.1 GHz             | 4MB   |                   |                       |  |  |
|  | i3-7100U   |            |              | 2.4 GHz        | -                   | 3MB   |                   |                       |  |  |
|  | i5-7200U   |            |              | 2.5 GHz        | 3.1 GHz             | 3MB   | DDR4-2133         | Intel HD Graphics 620 |  |  |
|  | i7-7500U   |            |              | 2.7 GHz        | 3.5 GHz             | 4MB   |                   |                       |  |  |
| * i5-6200U, i7-6500U are not available in EMEA |  |            |              |                |                     |       |                   |                       |  |  |
| Graphics                                       | Intel HD Graphics in processor only, or NVidia GeForce 920MX Graphics, 2GB DDR3 memory, or NVidia GeForce 940MX Graphics, 2GB DDR3 memory, digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent displays; Max resolution: 1920x1080 (HDMI)@60Hz  |            |              |                |                     |       |                   |                       | Weight<br>Case color<br>Case material  |  |
| Memory   | 32GB max / 2133MHz DDR4, non-parity, dual-channel capable, two 260-pin SO-DIMM sockets<br>* System clocks down for processors with lower memory controller   |            |              |                |                     |       |                   |                       | Camera<br>Audio support  |  |
| Display  | Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio<br>Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio<br>Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio |            |              |                |                     |       |                   |                       | Keyboard<br>UltraNav™<br>ThinkLight™   |  |
| Multi-touch                                    | None   |            |              |                |                     |       |                   |                       | Fingerprint reader<br>NFC<br>Security<br>Security chip   |  |
| Storage  | Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable<br>Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™  |            |              |                |                     |       |                   |                       | vPro   |  |
| M.2 SSD<br>Optical                             | None<br>None   |            |              |                |                     |       |                   |                       | Battery type<br>Battery life<br>AC adapter   |  |
| Ethernet                                       | Gigabit Ethernet Connection, Realtek R8111GUS  |            |              |                |                     |       |                   |                       | Preload  |  |
| WLAN   | One of the following, configurable by model:<br>• Intel Dual Band Wireless-AC 8265, 2x2, Wi-Fi + BT combo adapter, M.2 Card<br>• QCA, Qualcomm 344A-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card<br>• QCA, Qualcomm 435-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card   |            |              |                |                     |       |                   |                       | Limited warranty   |  |
| Bluetooth™                                     | Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter  |            |              |                |                     |       |                   |                       | Mil-Spec test  |  |
| WWAN<br>SIM card                               | None<br>None   |            |              |                |                     |       |                   |                       | Environment  |  |
| Smart Card Reader                              | None   |            |              |                |                     |       |                   |                       |  |  |
| ExpressCard                                    | None   |            |              |                |                     |       |                   |                       |  |  |
| Dock   | None   |            |              |                |                     |       |                   |                       |  |  |
| Multicard Reader                               | 4-in-1 reader (MMC, SD, SDHC, SDXC)  |            |              |                |                     |       |                   |                       |  |  |
| Ports  | Two USB 3.0 (one Always On), one USB 2.0, HDMI, Ethernet (RJ-45), combo audio / microphone jack  |            |              |                |                     |       |                   |                       |  |  |
| Monitor cable                                  | None   |            |              |                |                     |       |                   |                       |  |  |

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                 | Multi-touch | Storage         | Optical | WLAN + Bluetooth           | WWAN | SIM Card | Color | Case Material | Camera | Keyboard    | Fingerprint Reader | TPM        | Battery       | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|-------------------------|-------------|-----------------|---------|----------------------------|------|----------|-------|---------------|--------|-------------|--------------------|------------|---------------|---------------|----------------------|---------------|----------------|
| 20H10038US | US     | i3-7100U  | No   | Intel HD 620 | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm   | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 09/16          |
| 20H10039US | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm   | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 09/16          |
| 20H1003AUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 14" HD (1366x768)       | None        | 256GB SSD Opal2 | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 09/16          |
| 20H1003DUS | US     | i3-6006U  | No   | Intel HD 520 | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm   | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 11/16          |
| 20H1004RUS | US     | i7-7500U  | No   | 940MX 2GB    | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 500GB 7200rpm   | None    | Intel 8265 ac, 2x2 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | FW TPM 2.0 | 3-cell (45Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 09/16          |
| 20H1004SUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 256GB SSD Opal2 | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 09/16          |
| 20H1004TUS | US     | i7-7500U  | No   | 940MX 2GB    | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 256GB SSD Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | FW TPM 2.0 | 3-cell (45Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 09/16          |
| 20H10055US | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 180GB SSD Opal2 | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 03/17          |
| 20H10059US | US     | i3-7100U  | No   | Intel HD 620 | 4GBx1  | 14" HD (1366x768)       | None        | 180GB SSD Opal2 | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 01/17          |
| 20H1005AUS | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 14" HD (1366x768)       | None        | 180GB SSD Opal2 | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 01/17          |
| 20H1005BUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 14" HD (1366x768)       | None        | 180GB SSD Opal2 | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 01/17          |
| 20H10065US | US     | i3-6006U  | No   | Intel HD 520 | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm   | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20H10066US | US     | i7-6500U  | No   | 940MX 2GB    | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 256GB SSD Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | FW TPM 2.0 | 3-cell (45Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20H10067US | US     | i5-6200U  | No   | Intel HD 520 | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 256GB SSD Opal2 | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20H10068US | US     | i7-6500U  | No   | 940MX 2GB    | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 500GB 7200rpm   | None    | Intel 8265 ac, 2x2 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | FW TPM 2.0 | 3-cell (45Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20H10069US | US     | i5-6200U  | No   | Intel HD 520 | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm   | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20H1006AUS | US     | i5-6200U  | No   | Intel HD 520 | 8GBx1  | 14" HD (1366x768)       | None        | 256GB SSD Opal2 | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20H1006DUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 500GB 7200rpm   | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 03/17          |
| 20H1006GCA | US     | i3-6006U  | No   | Intel HD 520 | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm   | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20H1006GCC | US     | i3-6006U  | No   | Intel HD 520 | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm   | None    | 11ac, 1x1 + BT4.1          | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM 2.0   | 3-cell (45Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |

| Model      | Region | Processor | vPro | Graphics     | Memory | Display           | Multi-touch | Storage       | Optical | WLAN + Bluetooth  | WWAN | SIM Card | Color | Case Material | Camera | Keyboard    | Fingerprint Reader | TPM      | Battery       | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|-------------------|-------------|---------------|---------|-------------------|------|----------|-------|---------------|--------|-------------|--------------------|----------|---------------|---------------|----------------------|---------------|----------------|
| 20H1006GUS | US     | i3-6006U  | No   | Intel HD 520 | 4GBx1  | 14" HD (1366x768) | None        | 500GB 7200rpm | None    | 11ac, 1x1 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM 2.0 | 3-cell (45Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |



# ThinkPad E475 Platform Specifications

Product Specifications Reference (PSREF)

|                   |   |            |              |                |                     |       |              |                    |   |   |
|-------------------|---|------------|--------------|----------------|---------------------|-------|--------------|--------------------|---|---|
| Processor         | AMD Accelerated Processor A6, or A10 APU  |            |              |                |                     |       |              |                    | Dimensions<br>Weight<br>Case color<br>Case material | <i>PC/ABS (WxDxH):</i> 13.35" x 9.53" x 0.93"; 339mm x 242mm x 23.7mm<br>From 4.12 lb (1.87kg)<br>Black<br><i>PC/ABS:</i> PolyCarbonate/Acrylonitrile-Butadiene-Styrene display cover                       |
|                   | Processor Number  | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics |   |   |
|                   | A6-9500B  | 2          | 4            | 2.3 GHz        | 3.2 GHz             | 2MB   | DDR4-1866    | R5 Graphics        |   |   |
| A10-9600P         | 4   | 8          | 2.4 GHz      | 3.3 GHz        | 2MB                 |       |              |                    |   |   |
| Graphics          | AMD Radeon™ R5 Graphics in processor only, or AMD Radeon R5 M430 Graphics, 2GB DDR3 memory, or digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent displays; Max resolution: 1920x1080 (HDMI)@60Hz |            |              |                |                     |       |              |                    | Camera  | HD720p resolution, fixed focus  |
| Chipset           | AMD SoC (System on Chip) platform   |            |              |                |                     |       |              |                    | Audio support                                       | HD Audio, Conexant® CX11852 codec, Dolby® Audio™ Premium / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack   |
| Memory            | 32GB max / 2133MHz DDR4, non-parity, dual-channel capable, two 260-pin SO-DIMM sockets<br>*System automatically clocks down with 1866MHz DDR4 memory controller   |            |              |                |                     |       |              |                    | Keyboard  | 6-row, spill-resistant, multimedia Fn keys  |
| Display           | Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio   |            |              |                |                     |       |              |                    | UltraNav™   | TrackPoint® pointing device and multi-touch with 3+2 buttons click pad  |
| Multi-touch       | None  |            |              |                |                     |       |              |                    | ThinkLight™   | None  |
| Storage           | Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable<br>Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™   |            |              |                |                     |       |              |                    | Fingerprint reader                                  | None  |
| M.2 SSD           | None  |            |              |                |                     |       |              |                    | NFC   | None  |
| Optical           | None  |            |              |                |                     |       |              |                    | Security  | Power-on password, hard disk password, supervisor password, security keyhole  |
| Ethernet          | Gigabit Ethernet Connection, Realtek R8111GUS   |            |              |                |                     |       |              |                    | Security chip                                       | <i>FW TPM2.0:</i> Firmware TPM 2.0, integrated in chipset<br><i>dTPM2.0:</i> Discrete TPM 2.0, TCG Certified  |
| WLAN              | One of the following, configurable by model:<br>• QCA, Qualcomm 344A-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card<br>• QCA, Qualcomm 435-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card   |            |              |                |                     |       |              |                    | vPro  | No  |
| Bluetooth™        | Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter   |            |              |                |                     |       |              |                    | Battery type  | Li-Polymer 3-cell (45Wh)  |
| WWAN              | None  |            |              |                |                     |       |              |                    | Battery life  | 3-cell (45Wh): up to 6.5 hr   |
| SIM card          | None  |            |              |                |                     |       |              |                    | AC adapter  | Some: 45-watt AC adapter<br>Some: 65-watt AC adapter  |
| Smart Card Reader | None  |            |              |                |                     |       |              |                    | Preload   | Some: Windows 10 Pro 64<br>Some: Windows 10 Home 64<br>• Lenovo Companion<br>• Lenovo Settings<br>• Microsoft Office preloaded;<br>purchase a product key to activate<br>• McAfee® Live Safe (30-day trial) |
| ExpressCard       | None  |            |              |                |                     |       |              |                    | Limited warranty                                    | 1-year - depot repair service / service upgrades available  |
| Dock              | None  |            |              |                |                     |       |              |                    | Mil-Spec test                                       | None  |
| Multicard Reader  | 4-in-1 reader (MMC, SD, SDHC, SDXC)   |            |              |                |                     |       |              |                    | Environment   | EPEAT™ Gold; ENERGY STAR®; RoHS-compliant   |
| Ports             | Two USB 3.0 (one Always On), one USB 2.0, HDMI, Ethernet (RJ-45), combo audio / microphone jack   |            |              |                |                     |       |              |                    |   |   |
| Monitor cable     | None  |            |              |                |                     |       |              |                    |   |   |



## ThinkPad E475 - TopSeller - 20H4

Product Specifications Reference (PSREF)

| Model      | Region | Processor     | vPro | Graphics        | Memory | Display           | Multi-touch | Storage(HDD/SSD) | Optical | WLAN + Bluetooth       | WWAN | SIM Card | Color | Case Material | Camera | Keyboard    | Fingerprint Reader | TPM        | Battery       | Power Adapter | Operating System  | Warranty      | Ann Date (m/y) |
|------------|--------|---------------|------|-----------------|--------|-------------------|-------------|------------------|---------|------------------------|------|----------|-------|---------------|--------|-------------|--------------------|------------|---------------|---------------|-------------------|---------------|----------------|
| 20H40006US | US     | AMD A6-9500B  | No   | AMD R5 Graphics | 4GBx1  | 14" HD (1366x768) | None        | 500GB 7200rpm    | None    | QCA435 ac, 1x1 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM 2.0   | 3-cell (45Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | 11/16          |
| 20H40007US | US     | AMD A10-9600P | No   | AMD R5 M430 2GB | 8GBx1  | 14" HD (1366x768) | None        | 500GB 7200rpm    | None    | QCA435 ac, 1x1 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 3-cell (45Wh) | 65W           | Windows 10 Pro 64 | 1-year, Depot | 11/16          |
| 20H40008US | US     | AMD A10-9600P | No   | AMD R5 M430 2GB | 4GBx1  | 14" HD (1366x768) | None        | 500GB 7200rpm    | None    | QCA435 ac, 1x1 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 3-cell (45Wh) | 65W           | Windows 10 Pro 64 | 1-year, Depot | 11/16          |
| 20H40009US | US     | AMD A6-9500B  | No   | AMD R5 Graphics | 8GBx1  | 14" HD (1366x768) | None        | 500GB 7200rpm    | None    | QCA435 ac, 1x1 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM 2.0   | 3-cell (45Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | 11/16          |
| 20H4000AUS | US     | AMD A10-9600P | No   | AMD R5 M430 2GB | 8GBx1  | 14" HD (1366x768) | None        | 256GB SSD Opal2  | None    | QCA435 ac, 1x1 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 3-cell (45Wh) | 65W           | Windows 10 Pro 64 | 1-year, Depot | 11/16          |
| 20H4000DUS | US     | AMD A10-9600P | No   | AMD R5 M430 2GB | 8GBx1  | 14" HD (1366x768) | None        | 180GB SSD Opal2  | None    | QCA435 ac, 1x1 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 3-cell (45Wh) | 65W           | Windows 10 Pro 64 | 1-year, Depot | 01/17          |



# ThinkPad E560 Platform Specifications

Product Specifications Reference (PSREF)

|  |   |            |              |                |                     |       |              |                       |  |  |
|--|---|------------|--------------|----------------|---------------------|-------|--------------|-----------------------|--|--|
| Processor                                  | 6th Generation Intel® Core™ i3 / i5 / i7 Processor and Celeron Processor  |            |              |                |                     |       |              |                       | Smart Card Reader<br>ExpressCard<br>Multicard Reader<br>Ports<br>Monitor cable<br>Camera<br>Audio support<br>Keyboard<br>UltraNav™<br>ThinkLight™<br>Security<br>Security chip<br>vPro<br>Fingerprint reader<br>NFC<br>Battery type<br>Battery life<br>AC adapter<br>Preload<br>Limited warranty<br>Mil-Spec test<br>Environment | None<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Three USB 3.0 (one Always On), VGA, HDMI, Ethernet (RJ-45),<br>Lenovo OneLink connector, combo audio/microphone jack<br>None<br><i>Some:</i> HD720p resolution, fixed focus<br><i>Some:</i> 3D camera, Intel RealSense™ 3D Camera with MIC<br>HD Audio, Conexant® CX11852 codec, Dolby® Advanced Audio™ /<br>stereo speakers or JBL speakers, 2W x 2 / dual array microphone,<br>combo audio / microphone jack<br>6-row, spill-resistant, multimedia Fn keys, numeric keypad<br>TrackPoint® pointing device and multi-touch with 3+2 buttons click pad<br>None<br>Power-on password, hard disk password, supervisor password, security keyhole<br><i>TPM2.0 :</i> Trusted Platform Module, TPM2.0 FW (firmware)<br><i>TPM1.2:</i> Trusted Platform Module, TCG 1.2-compliant<br><i>TPM :</i> TPM2.0 and TPM1.2<br>None<br><i>Some:</i> Fingerprint reader on the keyboard bezel, swipe sensor<br>None<br>Li-Ion 6-cell (48Wh)<br>6-cell (48Wh): up to 9.0 hr<br><i>Some:</i> 45-watt AC adapter (Integrated Graphics)<br><i>Some:</i> 65-watt AC adapter (Discrete Graphics)<br><i>Some:</i> No operating system<br><i>Some:</i> Windows® 7 Professional 64<br>preinstalled through downgrade<br>rights in Windows 10 Pro 64<br>• Lenovo Solution Center<br>• Lenovo SHAREit<br>• ThinkVantage Product Recovery<br>• Rescue and Recovery™<br>• ThinkVantage System Update<br>• PC Device Stage<br>• Adobe® Reader®<br>• Microsoft® Office preloaded;<br>purchase a product key to activate<br>• McAfee® Live Safe (30-day trial)<br><i>Some:</i> Windows 10 Pro 64<br><i>Some:</i> Windows 10 Home 64<br>• Lenovo Solution Center<br>• Lenovo REACHit<br>• Lenovo SHAREit<br>• Lenovo Companion<br>• Lenovo Settings<br>• ThinkVantage System Update<br>• Microsoft Office preloaded;<br>purchase a product key to activate<br>• McAfee® Live Safe (30-day trial)<br><b>1-year</b> - depot repair service / service upgrades available<br>None<br>EPEAT™ Gold; ENERGY STAR®; RoHS-compliant |
|  | Processor Number  | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics    |  |  |
|  | Cel 3855U   | 2          | 2            | 1.6 GHz        | -                   | 2MB   | DDR3L-1600   | Intel HD Graphics 510 |  |  |
|  | i3-6100U  | 2          | 4            | 2.3 GHz        | -                   | 3MB   |              | Intel HD Graphics 520 |  |  |
|  | i5-6200U  |            |              | 2.3 GHz        | 2.8 GHz             | 3MB   |              |                       |  |  |
| i7-6500U                                   | 2.5 GHz   |            |              | 3.1 GHz        | 4MB                 |       |              |                       |  |  |
| Graphics                                   | Intel HD Graphics in processor only, or AMD Radeon R7 M370 Graphics, 2GB GDDR5 memory, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent displays; Max resolution: 1920x1080 (HDMI)@60Hz   |            |              |                |                     |       |              |                       |  |  |
| Chipset Memory                             | Intel SoC (System on Chip) platform<br>16GB max / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets  |            |              |                |                     |       |              |                       |  |  |
| Display                                    | <i>Some:</i> 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio<br><i>Some:</i> 15.6" (396mm) FHD (1920x1080) color, anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio   |            |              |                |                     |       |              |                       |  |  |
| Multi-touch                                | None  |            |              |                |                     |       |              |                       |  |  |
| Storage                                    | <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable<br><i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™<br><i>Some:</i> SSHD with 8GB NAND flash memory<br><i>Some:</i> DVD burner, 9.0mm high, removable<br><i>Some:</i> Blank Bezel   |            |              |                |                     |       |              |                       |  |  |
| Optical                                    | None  |            |              |                |                     |       |              |                       |  |  |
| M.2 SSD                                    | None  |            |              |                |                     |       |              |                       |  |  |
| Ethernet Bluetooth™                        | Gigabit Ethernet Connection<br>Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter  |            |              |                |                     |       |              |                       |  |  |
| WLAN                                       | <i>One of the following, configurable by model:</i><br>• Intel Dual Band Wireless-AC 3165, 1x1, Wi-Fi + BT combo adapter, M.2 Card<br>• Intel Dual Band Wireless-AC 8260, 2x2, Wi-Fi + BT combo adapter, M.2 Card<br>• BCM, Broadcom Wireless-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card<br>• QCA, Qualcomm Wireless-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card |            |              |                |                     |       |              |                       |  |  |
| WWAN                                       | None  |            |              |                |                     |       |              |                       |  |  |
| SIM card                                   | None  |            |              |                |                     |       |              |                       |  |  |
| Dimensions Weight Case color Case material | <i>All (WxDxH):</i> 14.84" x 10.04" x 1.07"; 377mm x 255mm x 27.1mm<br>From 5.39 lb (2.45kg)<br>Graphite Black<br>PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic display cover  |            |              |                |                     |       |              |                       |  |  |

| Model       | Region | Processor | vPro | Graphics        | Memory | Display                   | Multi-touch | Storage(HDD/SSD) | Optical | WLAN + Bluetooth           | WWAN | SIM Card | Color | Case Material | Camera    | Keyboard    | Fingerprint Reader | TPM                 | Battery       | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|-------------|--------|-----------|------|-----------------|--------|---------------------------|-------------|------------------|---------|----------------------------|------|----------|-------|---------------|-----------|-------------|--------------------|---------------------|---------------|---------------|----------------------|---------------|----------------|
| 20EV0027US  | US     | i7-6500U  | No   | AMD R7 M370 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 192GB SSD        | DVD±RW  | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | PC/ABS        | 3D Camera | Non-backlit | Fingerprint Reader | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EV002DUS  | US     | i3-6100U  | No   | Intel HD 520    | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm    | DVD±RW  | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | dTPM 1.2            | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EV002EUS  | US     | i3-6100U  | No   | Intel HD 520    | 4GBx1  | 15.6" HD (1366x768)       | None        | 192GB SSD        | DVD±RW  | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | dTPM 1.2            | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EV002FUS  | US     | i5-6200U  | No   | Intel HD 520    | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm    | DVD±RW  | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | dTPM 1.2            | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EV002GUS  | US     | i5-6200U  | No   | Intel HD 520    | 4GBx1  | 15.6" HD (1366x768)       | None        | 192GB SSD        | DVD±RW  | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | dTPM 1.2            | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EV002HUS  | US     | i5-6200U  | No   | Intel HD 520    | 8GBx1  | 15.6" HD (1366x768)       | None        | 192GB SSD        | DVD±RW  | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | dTPM 1.2            | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EV002JUS  | US     | i7-6500U  | No   | AMD R7 M370 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 7200rpm    | DVD±RW  | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EV002KUS  | US     | i7-6500U  | No   | AMD R7 M370 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 192GB SSD        | DVD±RW  | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EV002LLUS | US     | i3-6100U  | No   | Intel HD 520    | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm    | DVD±RW  | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | dTPM1.2 + FW TPM2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EV002MUS  | US     | i3-6100U  | No   | Intel HD 520    | 4GBx1  | 15.6" HD (1366x768)       | None        | 192GB SSD        | DVD±RW  | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | dTPM1.2 + FW TPM2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EV002NUS  | US     | i5-6200U  | No   | Intel HD 520    | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm    | DVD±RW  | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | dTPM1.2 + FW TPM2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EV002PUS  | US     | i5-6200U  | No   | Intel HD 520    | 4GBx1  | 15.6" HD (1366x768)       | None        | 192GB SSD        | DVD±RW  | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | dTPM1.2 + FW TPM2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EV002QUS  | US     | i5-6200U  | No   | Intel HD 520    | 8GBx1  | 15.6" HD (1366x768)       | None        | 192GB SSD        | DVD±RW  | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | dTPM1.2 + FW TPM2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EV002RUS  | US     | i7-6500U  | No   | AMD R7 M370 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 7200rpm    | DVD±RW  | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EV002SUS  | US     | i7-6500U  | No   | AMD R7 M370 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 192GB SSD        | DVD±RW  | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EV003EUS  | US     | i7-6500U  | No   | AMD R7 M370 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD Opal2  | DVD±RW  | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 04/16          |
| 20EV003FUS  | US     | i7-6500U  | No   | AMD R7 M370 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD Opal2  | DVD±RW  | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 04/16          |
| 20EV003VUS  | US     | i5-6200U  | No   | Intel HD 520    | 4GBx1  | 15.6" HD (1366x768)       | None        | 256GB SSD Opal2  | DVD±RW  | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | dTPM 1.2            | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 09/16          |
| 20EV003WUS  | US     | i5-6200U  | No   | Intel HD 520    | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD Opal2  | DVD±RW  | Intel 8260 ac, 2x2 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | dTPM 1.2            | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 09/16          |
| 20EV0043US  | US     | i5-6200U  | No   | Intel HD 520    | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 7200rpm    | DVD±RW  | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p      | Non-backlit | Fingerprint Reader | dTPM1.2 + FW TPM2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 11/16          |

| Model      | Region | Processor | vPro | Graphics     | Memory | Display             | Multi-touch | Storage(HDD/SSD) | Optical | WLAN + Bluetooth           | WWAN | SIM Card | Color | Case Material | Camera | Keyboard    | Fingerprint Reader | TPM                 | Battery       | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|---------------------|-------------|------------------|---------|----------------------------|------|----------|-------|---------------|--------|-------------|--------------------|---------------------|---------------|---------------|------------------|---------------|----------------|
| 20EVA05UUS | US     | i5-6200U  | No   | Intel HD 520 | 8GBx1  | 15.6" HD (1366x768) | None        | 500GB 7200rpm    | DVD±RW  | Intel 3165 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | Fingerprint Reader | dTPM1.2 + FW TPM2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 10/16          |





# ThinkPad E565 Platform Specifications

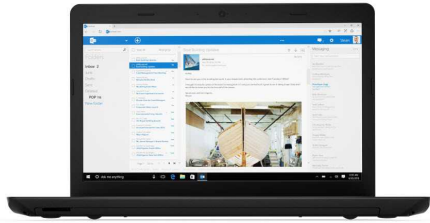
Product Specifications Reference (PSREF)

|               |  |            |              |             |                     |                        |              |                        |  |   |  |
|---------------|--|------------|--------------|-------------|---------------------|------------------------|--------------|------------------------|--|---|--|
| Processor     | AMD Accelerated Processor A6, A8, A10, or FX APU   |            |              |             |                     |                        |              |                        | Smart Card Reader  | None  |  |
|               | Processor Number   | # of Cores | # of Threads | Clock Speed | Max Turbo Frequency | Cache                  | Memory Types | Graphics               | ExpressCard  | None  |  |
|               | A6-8500P   | 2          | 6            | 1.6 GHz     | 3.0 GHz             | 1MB                    | DDR3L-1600   | R5 Graphics            | Multicard Reader   | 4-in-1 reader (MMC, SD, SDHC, SDXC)   |  |
|               | A8-8600P   | 4          | 10           | 1.6 GHz     | 3.0 GHz             | 2MB                    |              | R6 Graphics            | Ports  | Three USB 3.0 (one Always On), VGA, HDMI, Ethernet (RJ-45),<br>Lenovo OneLink connector, combo audio/microphone jack  |  |
|               | A8-8600P   | 4          | 10           | 1.6 GHz     | 3.0 GHz             | 2MB                    |              | R6 M335DX (R6+R5 M330) | Monitor cable  | None  |  |
|               | A10-8700P  | 4          | 10           | 1.8 GHz     | 3.2 GHz             | 2MB                    |              | R6 M340DX (R6+R5 M330) | Camera   | HD720p resolution, fixed focus  |  |
| FX-8800P      | 4  | 12         | 2.1 GHz      | 3.4 GHz     | 2MB                 | R8 M350DX (R7+R5 M330) |              | Audio support          | HD Audio, Conexant® CX11852 codec, Dolby® Advanced Audio™ / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack |   |  |
| Graphics      | AMD Radeon™ R5 or R6 Graphics in processor only, or AMD Radeon R5 M330 Graphics, 2GB DDR3 memory, or Dual Graphics support for A8, A10 and FX APU external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display |            |              |             |                     |                        |              |                        | Keyboard   | 6-row, spill-resistant, multimedia Fn keys, numeric keypad  |  |
| Chipset       | AMD SoC (System on Chip) platform  |            |              |             |                     |                        |              |                        | UltraNav™  | TrackPoint® pointing device and multi-touch with 3+2 buttons click pad  |  |
| Memory        | 16GB max / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets  |            |              |             |                     |                        |              |                        | ThinkLight™  | None  |  |
| Display       | <i>Some:</i> 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio<br><i>Some:</i> 15.6" (396mm) FHD (1920x1080) color, anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio  |            |              |             |                     |                        |              |                        | Security   | Power-on password, hard disk password, supervisor password, security keyhole  |  |
| Multi-touch   | None   |            |              |             |                     |                        |              |                        | Security chip  | TPM2.0 : Trusted Platform Module, TPM2.0 FW (firmware)<br>TPM1.2: Trusted Platform Module, TCG 1.2-compliant<br>TPM : TPM2.0 and TPM1.2   |  |
| Storage       | <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable<br><i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™<br><i>Some:</i> SSHD with 8GB NAND flash memory  |            |              |             |                     |                        |              |                        | vPro   | None  |  |
| Optical       | <i>Some:</i> DVD burner, 9.0mm high, removable<br><i>Some:</i> Blank Bezel   |            |              |             |                     |                        |              |                        | Fingerprint reader   | <i>Some:</i> Fingerprint reader on the keyboard bezel, swipe sensor   |  |
| M.2 SSD       | None   |            |              |             |                     |                        |              |                        | NFC  | None  |  |
| Ethernet      | Gigabit Network Connection   |            |              |             |                     |                        |              |                        | Battery type   | Li-Ion 6-cell (48Wh)  |  |
| Bluetooth™    | Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter  |            |              |             |                     |                        |              |                        | Battery life   | Up to 6.5 hr<br><i>Some:</i> 45-watt AC adapter (Integrated Graphics)<br><i>Some:</i> 65-watt AC adapter (Discrete Graphics)  |  |
| WLAN          | <i>One of the following, configurable by model:</i><br>• BCM, Broadcom Wireless-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card<br>• QCA, Qualcomm Wireless-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card  |            |              |             |                     |                        |              |                        | AC adapter   | <i>Some:</i> 45-watt AC adapter (Integrated Graphics)<br><i>Some:</i> 65-watt AC adapter (Discrete Graphics)  |  |
| WWAN          | None   |            |              |             |                     |                        |              |                        | Preload  | <i>Some:</i> No operating system<br><i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64<br>• Lenovo Solution Center<br>• Lenovo SHAREit<br>• ThinkVantage Product Recovery<br>• Rescue and Recovery™<br>• ThinkVantage System Update<br>• PC Device Stage<br>• Adobe® Reader®<br>• Microsoft® Office preloaded; purchase a product key to activate<br>• McAfee® Live Safe (30-day trial) | <i>Some:</i> Windows 10 Pro 64<br><i>Some:</i> Windows 10 Home 64<br>• Lenovo Solution Center<br>• Lenovo REACHit<br>• Lenovo SHAREit<br>• Lenovo Companion<br>• Lenovo Settings<br>• ThinkVantage System Update<br>• Microsoft Office preloaded; purchase a product key to activate<br>• McAfee® Live Safe (30-day trial) |
| SIM card      | None   |            |              |             |                     |                        |              |                        | Limited warranty   | 1-year - depot repair service / service upgrades available  |  |
| Dimensions    | <i>All (WxDxH):</i> 14.84" x 10.04" x 1.07"; 377mm x 255mm x 27.1mm  |            |              |             |                     |                        |              |                        | Environment  | EPEAT™ Gold; ENERGY STAR®; RoHS-compliant   |  |
| Weight        | From 5.46 lb (2.48kg)  |            |              |             |                     |                        |              |                        |  |   |  |
| Case color    | Graphite black   |            |              |             |                     |                        |              |                        |  |   |  |
| Case material | PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic display cover   |            |              |             |                     |                        |              |                        |  |   |  |

| Model      | Region | Processor     | vPro | Graphics          | Memory | Display                   | Multi-touch | Storage(HDD/SSD) | Optical | WLAN + Bluetooth         | WWAN | SIM Card | Color | Case Material | Camera | Keyboard    | Fingerprint Reader | TPM                 | Battery       | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|---------------|------|-------------------|--------|---------------------------|-------------|------------------|---------|--------------------------|------|----------|-------|---------------|--------|-------------|--------------------|---------------------|---------------|---------------|----------------------|---------------|----------------|
| 20EY0006US | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 5400rpm    | DVD±RW  | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EY0007US | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 4GBx1  | 15.6" FHD (1920x1080) IPS | None        | 192GB SSD        | DVD±RW  | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EY0008US | US     | AMD A6-8500P  | No   | AMD R5 Graphics   | 8GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM 1.2            | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EY0009US | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EY000AUS | US     | AMD A6-8500P  | No   | AMD R5 Graphics   | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM 1.2            | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EY000BUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EY000CUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EY000DUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 192GB SSD        | DVD±RW  | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EY000EUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 5400rpm    | DVD±RW  | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EY000FUS | US     | AMD A6-8500P  | No   | AMD R5 Graphics   | 8GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM1.2 + FW TPM2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EY000GUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 4GBx1  | 15.6" FHD (1920x1080) IPS | None        | 192GB SSD        | DVD±RW  | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 11/15          |
| 20EY000HUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 192GB SSD        | DVD±RW  | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EY000JUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EY000KUS | US     | AMD A6-8500P  | No   | AMD R5 Graphics   | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | BCM43162 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM1.2 + FW TPM2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 11/15          |
| 20EY001EUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.0   | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/16          |
| 20EY001FUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 5400rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.0   | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/16          |
| 20EY001GUS | US     | AMD A6-8500P  | No   | AMD R5 Graphics   | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.0   | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM1.2 + FW TPM2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 06/16          |
| 20EY001HUS | US     | AMD A6-8500P  | No   | AMD R5 Graphics   | 8GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.0   | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM1.2 + FW TPM2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 06/16          |
| 20EY001JUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 192GB SSD        | DVD±RW  | QCA435 ac, 1x1 + BT4.0   | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/16          |
| 20EY001KUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 5400rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.0   | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0          | 6-cell (48Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 06/16          |



| Model      | Region | Processor     | vPro | Graphics          | Memory | Display                   | Multi-touch | Storage(HDD/SSD) | Optical | WLAN + Bluetooth       | WWAN | SIM Card | Color | Case Material | Camera | Keyboard    | Fingerprint Reader | TPM        | Battery       | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|---------------|------|-------------------|--------|---------------------------|-------------|------------------|---------|------------------------|------|----------|-------|---------------|--------|-------------|--------------------|------------|---------------|---------------|----------------------|---------------|----------------|
| 20EY001LUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 4GBx1  | 15.6" FHD (1920x1080) IPS | None        | 192GB SSD        | DVD±RW  | QCA435 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 6-cell (48Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/16          |
| 20EY001MUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 4GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 5400rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 6-cell (48Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/16          |
| 20EY001NUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 6-cell (48Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/16          |
| 20EY001PUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 6-cell (48Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 06/16          |
| 20EY001QUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 6-cell (48Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 06/16          |
| 20EY001RUS | US     | AMD A6-8500P  | No   | AMD R5 Graphics   | 8GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM 1.2   | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/16          |
| 20EY001SUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 192GB SSD        | DVD±RW  | QCA435 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 6-cell (48Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 06/16          |
| 20EY001TUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 4GBx1  | 15.6" FHD (1920x1080) IPS | None        | 192GB SSD        | DVD±RW  | QCA435 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 6-cell (48Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 06/16          |
| 20EY001UUS | US     | AMD A10-8700P | No   | AMD R6 M340DX 2GB | 4GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 5400rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 6-cell (48Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 06/16          |
| 20EY001VUS | US     | AMD A6-8500P  | No   | AMD R5 Graphics   | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 5400rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.0 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM 1.2   | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/16          |



# ThinkPad E570 Platform Specifications

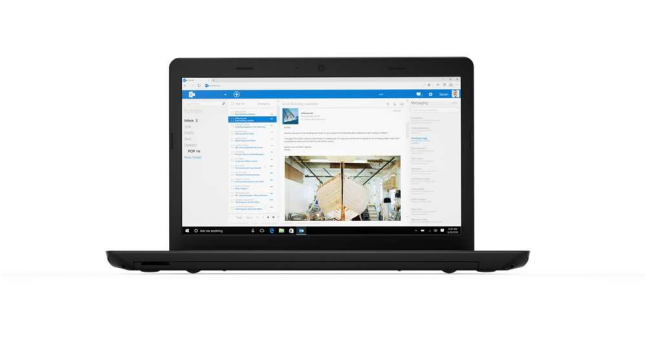
Product Specifications Reference (PSREF)

|  |  |            |              |                |                     |       |                   |                       |   |  |
|--|--|------------|--------------|----------------|---------------------|-------|-------------------|-----------------------|---|--|
| Processor                                      | 7th Generation Intel® Core™ i3 / i5 / i7 Processor   |            |              |                |                     |       |                   |                       | Dimensions<br><i>Aluminum (WxDxH):</i> 14.92" x 10.28" x 0.94" 379mm x 261mm x 23.9mm<br><i>PC/ABS (WxDxH):</i> 14.92" x 10.28" x 1.00"; 379mm x 261mm x 25.4mm   |  |
|  | Processor Number   | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Controller | Processor Graphics    |   |  |
|  | i3-6100U   | 2          | 4            | 2.3 GHz        | -                   | 3MB   | DDR4-2133         | Intel HD Graphics 520 |   |  |
|  | i5-6200U   |            |              | 2.3 GHz        | 2.8 GHz             | 3MB   |                   |                       |   |  |
|  | i7-6500U   |            |              | 2.5 GHz        | 3.1 GHz             | 4MB   |                   |                       |   |  |
|  | i3-7100U   |            |              | 2.4 GHz        | -                   | 3MB   |                   |                       |   |  |
|  | i5-7200U   |            |              | 2.5 GHz        | 3.1 GHz             | 3MB   | DDR4-2133         | Intel HD Graphics 620 |   |  |
|  | i7-7500U   |            |              | 2.7 GHz        | 3.5 GHz             | 4MB   |                   |                       |   |  |
| * i5-6200U, i7-6500U are not available in EMEA |  |            |              |                |                     |       |                   |                       |   |  |
| Graphics                                       | Intel HD Graphics in processor only, or NVidia GeForce 940MX Graphics, 2GB DDR5 memory, or NVidia GeForce GTX 950M Graphics, 2GB DDR5 memory, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent displays; Max resolution: 1920x1080 (HDMI)@60Hz |            |              |                |                     |       |                   |                       | Weight<br>From 5.07 lb (2.30kg)<br>Case color<br><i>LCD Rear :</i> Black, Silver, Gold (in EMEA only black color available)<br><i>Base Cover:</i> Black<br><i>Top Cover:</i> Black, Silver                              |  |
|  | 32GB max / 2133MHz DDR4, non-parity, dual-channel capable, two 260-pin SO-DIMM sockets<br>* System clocks down for processors with lower memory controller   |            |              |                |                     |       |                   |                       |   |  |
| Memory   | Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio<br>Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio<br>Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio       |            |              |                |                     |       |                   |                       | Case material<br><i>(LCD Rear)</i><br><i>Aluminum:</i> Aluminum display cover<br><i>PC/ABS:</i> PolyCarbonate/Acrylonitrile-Butadiene-Styrene display cover   |  |
|  | None   |            |              |                |                     |       |                   |                       |   |  |
| Storage  | Some: M.2 SSD / SATA 6.0Gb/s<br>Some: M.2 SSD / PCIe NVMe<br>Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™   |            |              |                |                     |       |                   |                       | Camera<br>Some: HD720p resolution, fixed focus<br>Audio support<br>HD Audio, Conexant® CX11852 codec, Dolby® Audio™ Premium / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack            |  |
|  | Some: DVD burner, 9.0mm high, removable<br>Some: Blank Bezel   |            |              |                |                     |       |                   |                       |   |  |
| Optical  | Gigabit Ethernet Connection, Realtek R8111GUS  |            |              |                |                     |       |                   |                       | Keyboard<br>6-row, spill-resistant, multimedia Fn keys<br>UltraNav™<br>TrackPoint® pointing device and multi-touch with 3+2 buttons click pad<br>ThinkLight™<br>None  |  |
|  | WLAN<br><i>One of the following, configurable by model:</i><br>• Intel Dual Band Wireless-AC 8265, 2x2, Wi-Fi + BT combo adapter, M.2 Card<br>• QCA, Qualcomm 344A-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card<br>• QCA, Qualcomm 435-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card<br>Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter |            |              |                |                     |       |                   |                       |   |  |
| Ethernet                                       | None   |            |              |                |                     |       |                   |                       | Fingerprint reader<br>Some: Fingerprint reader on the keyboard bezel, swipe sensor<br>NFC<br>None   |  |
|  | None   |            |              |                |                     |       |                   |                       |   |  |
| WLAN   | Power-on password, hard disk password, supervisor password, security keyhole   |            |              |                |                     |       |                   |                       | Security<br>Power-on password, hard disk password, supervisor password, security keyhole<br>Security chip<br><i>fTPM2.0:</i> Firmware TPM 2.0, integrated in chipset<br><i>dTPM2.0:</i> Discrete TPM 2.0, TCG Certified |  |
|  | None   |            |              |                |                     |       |                   |                       |   |  |
| Bluetooth™                                     | vPro<br>No   |            |              |                |                     |       |                   |                       | Battery type<br>Some: Li-Polymer 4-cell (32Wh)<br>Some: Li-Ion 4-cell (41Wh)  |  |
|  | None   |            |              |                |                     |       |                   |                       |   |  |
| WWAN   | Battery life<br>Some: Up to 5.0 hr for Li-Polymer 4-cell (32Wh)<br>Some: Up to 7.0 hr for Li-Ion 4-cell (41Wh)   |            |              |                |                     |       |                   |                       | AC adapter<br>Some: 45-watt AC adapter<br>Some: 65-watt AC adapter<br>Some: 90-watt AC adapter  |  |
|  | None   |            |              |                |                     |       |                   |                       |   |  |
| SIM card                                       | Preload<br>Some: Windows 10 Pro 64<br>Some: Windows 10 Home 64<br>• Lenovo Companion<br>• Lenovo Settings<br>• Microsoft Office preloaded;<br>purchase a product key to activate<br>• McAfee® Live Safe (30-day trial)   |            |              |                |                     |       |                   |                       | Limited warranty<br>1-year - depot repair service / service upgrades available  |  |
|  | None   |            |              |                |                     |       |                   |                       |   |  |
| Smart Card Reader                              | Mil-Spec test<br>None  |            |              |                |                     |       |                   |                       | Environment<br>EPEAT™ Gold; ENERGY STAR®; RoHS-compliant  |  |
|  | None   |            |              |                |                     |       |                   |                       |   |  |
| ExpressCard                                    | None   |            |              |                |                     |       |                   |                       | Monitor cable<br>None   |  |
|  | None   |            |              |                |                     |       |                   |                       |   |  |
| Dock   | None   |            |              |                |                     |       |                   |                       | None  |  |
|  | None   |            |              |                |                     |       |                   |                       |   |  |
| Multicard Reader                               | 4-in-1 reader (MMC, SD, SDHC, SDXC)  |            |              |                |                     |       |                   |                       | None  |  |
|  | Two USB 3.0, one USB 2.0 (Always On), VGA, HDMI, Ethernet (RJ-45), combo audio / microphone jack, optional one USB 3.1 Type-C (standard for i5, i7 models in EMEA)   |            |              |                |                     |       |                   |                       |   |  |
| Ports  | None   |            |              |                |                     |       |                   |                       | None  |  |
|  | None   |            |              |                |                     |       |                   |                       |   |  |

ThinkPad E570 - TopSeller - 20H5

Product Specifications Reference (PSREF)

| Model      | Region | Processor | vPro | Graphics     | Optional Ports | Memory | Display                   | Multi-touch | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN | SIM Card | Color (LCD_Rear, Top_Cover) | Case Material | Fingerprint Reader | TPM        | Battery       | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|----------------|--------|---------------------------|-------------|-------------------------------|---------|----------------------------|------|----------|-----------------------------|---------------|--------------------|------------|---------------|---------------|----------------------|---------------|----------------|
| 20H50042US | US     | i3-7100U  | No   | Intel HD 620 | None           | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm                 | DVD±RW  | 11ac, 1x1 + BT4.1          | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | dTPM 2.0   | 4-cell (41Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 09/16          |
| 20H50043US | US     | i7-7500U  | No   | GTX 950M 2GB | None           | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 7200rpm                 | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | FW TPM 2.0 | 4-cell (41Wh) | 90W           | Win10 Pro 64         | 1-year, Depot | 09/16          |
| 20H50044US | US     | i3-6006U  | No   | Intel HD 520 | None           | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm                 | DVD±RW  | 11ac, 1x1 + BT4.1          | None | None     | Black, Black                | PC/ABS        | None               | dTPM 2.0   | 4-cell (41Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 11/16          |
| 20H50045US | US     | i5-7200U  | No   | Intel HD 620 | None           | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | dTPM 2.0   | 4-cell (41Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 09/16          |
| 20H50047US | US     | i7-7500U  | No   | GTX 950M 2GB | None           | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | FW TPM 2.0 | 4-cell (41Wh) | 90W           | Win10 Pro 64         | 1-year, Depot | 09/16          |
| 20H50048US | US     | i5-7200U  | No   | Intel HD 620 | None           | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm                 | DVD±RW  | 11ac, 1x1 + BT4.1          | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | dTPM 2.0   | 4-cell (41Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 09/16          |
| 20H5007UUS | US     | i3-7100U  | No   | Intel HD 620 | None           | 4GBx1  | 15.6" HD (1366x768)       | None        | 180GB SSD M.2 Opal2           | DVD±RW  | 11ac, 1x1 + BT4.1          | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | dTPM 2.0   | 4-cell (41Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 01/17          |
| 20H5007VUS | US     | i5-6200U  | No   | 940MX 2GB    | None           | 8GBx1  | 15.6" HD (1366x768)       | None        | 180GB SSD M.2 Opal2           | DVD±RW  | 11ac, 1x1 + BT4.1          | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | FW TPM 2.0 | 4-cell (41Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 01/17          |
| 20H5007WUS | US     | i5-6200U  | No   | 940MX 2GB    | None           | 4GBx1  | 15.6" HD (1366x768)       | None        | 180GB SSD M.2 Opal2           | DVD±RW  | 11ac, 1x1 + BT4.1          | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | FW TPM 2.0 | 4-cell (41Wh) | 65W           | Win10 Pro 64         | 1-year, Depot | 01/17          |
| 20H5009FUS | US     | i3-6006U  | No   | Intel HD 520 | None           | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm                 | DVD±RW  | 11ac, 1x1 + BT4.1          | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | dTPM 2.0   | 4-cell (41Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20H5009GUS | US     | i7-6500U  | No   | 940MX 2GB    | None           | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | FW TPM 2.0 | 4-cell (41Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20H5009HUS | US     | i3-6006U  | No   | Intel HD 520 | None           | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm                 | DVD±RW  | 11ac, 1x1 + BT4.1          | None | None     | Black, Black                | PC/ABS        | None               | dTPM 2.0   | 4-cell (41Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20H5009JUS | US     | i7-6500U  | No   | 940MX 2GB    | None           | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 128GB SSD M.2                 | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | FW TPM 2.0 | 4-cell (41Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20H5009KUS | US     | i5-6200U  | No   | Intel HD 520 | None           | 4GBx1  | 15.6" HD (1366x768)       | None        | 128GB SSD M.2                 | DVD±RW  | 11ac, 1x1 + BT4.1          | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | dTPM 2.0   | 4-cell (41Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20H5009LUS | US     | i5-6200U  | No   | Intel HD 520 | None           | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | dTPM 2.0   | 4-cell (41Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20H5009MUS | US     | i7-6500U  | No   | 940MX 2GB    | None           | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 7200rpm                 | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | FW TPM 2.0 | 4-cell (41Wh) | 65W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20H5009NUS | US     | i5-6200U  | No   | Intel HD 520 | None           | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm                 | DVD±RW  | 11ac, 1x1 + BT4.1          | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | dTPM 2.0   | 4-cell (41Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20H500A9US | US     | i5-7200U  | No   | Intel HD 620 | None           | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 180GB SSD M.2 Opal2           | DVD±RW  | 11ac, 1x1 + BT4.1          | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | dTPM 2.0   | 4-cell (41Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 03/17          |
| 20H500AAUS | US     | i5-7200U  | No   | Intel HD 620 | None           | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 7200rpm                 | DVD±RW  | 11ac, 1x1 + BT4.1          | None | None     | Black, Black                | PC/ABS        | Fingerprint Reader | dTPM 2.0   | 4-cell (41Wh) | 45W           | Win10 Pro 64         | 1-year, Depot | 03/17          |



# ThinkPad E575 Platform Specifications

Product Specifications Reference (PSREF)

|                   |  |            |              |                |                     |             |              |                    |  |   |
|-------------------|--|------------|--------------|----------------|---------------------|-------------|--------------|--------------------|--|---|
| Processor         | AMD Accelerated Processor A6, A10, or A12 APU  |            |              |                |                     |             |              |                    | Dimensions<br>Weight<br>Case color<br>Case material    | <i>PC/ABS (WxDxH):</i> 14.92" x 10.28" x 1.00"; 379mm x 261mm x 25.4mm<br>From 5.07 lb (2.30kg)<br>Black<br><i>PC/ABS:</i> PolyCarbonate/Acrylonitrile-Butadiene-Styrene display cover  |
|                   | Processor Number   | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache       | Memory Types | Processor Graphics |  |   |
|                   | A6-9500B   | 2          | 4            | 2.3 GHz        | 3.2 GHz             | 2MB         | DDR4-1866    | R5 Graphics        |  |   |
|                   | A10-9600P  | 4          | 8            | 2.4 GHz        | 3.3 GHz             | 2MB         |              | R5 Graphics        |  |   |
| A12-9700P         | 4  | 8          | 2.5 GHz      | 3.4 GHz        | 2MB                 | R7 Graphics |              |                    |  |   |
| Graphics          | AMD Radeon™ R5 Graphics in processor only, or AMD Radeon R5 M430 Graphics, 2GB DDR3 memory, or external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent displays;<br>Max resolution: 1920x1080 (HDMI)@60Hz |            |              |                |                     |             |              |                    | Camera<br>Audio support                                | <i>Some:</i> HD720p resolution, fixed focus<br>HD Audio, Conexant® CX11852 codec, Dolby® Audio™ Premium / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack  |
| Chipset           | AMD SoC (System on Chip) platform  |            |              |                |                     |             |              |                    | Keyboard<br>UltraNav™<br>ThinkLight™                   | 6-row, spill-resistant, multimedia Fn keys<br>TrackPoint® pointing device and multi-touch with 3+2 buttons click pad<br>None  |
| Memory            | 32GB max / 2133MHz DDR4, non-parity, dual-channel capable, two 260-pin SO-DIMM sockets<br>*System automatically clocks down with 1866MHz DDR4 memory controller  |            |              |                |                     |             |              |                    | Fingerprint reader<br>NFC<br>Security<br>Security chip | None<br>None<br>Power-on password, hard disk password, supervisor password, security keyhole<br><i>FW TPM2.0:</i> Firmware TPM 2.0, integrated in chipset<br><i>dTPM2.0:</i> Discrete TPM 2.0, TCG Certified  |
| Display           | <i>Some:</i> 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio<br><i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio  |            |              |                |                     |             |              |                    | vPro   | No  |
| Multi-touch       | None   |            |              |                |                     |             |              |                    | Battery type<br>Battery life<br>AC adapter             | <i>Some:</i> Li-Ion 4-cell (41Wh)<br><i>Some:</i> Up to 6.5 hr<br><i>Some:</i> 45-watt AC adapter<br><i>Some:</i> 65-watt AC adapter  |
| Storage           | <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable<br><i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™  |            |              |                |                     |             |              |                    | Preload  | <i>Some:</i> Windows 10 Pro 64<br><i>Some:</i> Windows 10 Home 64<br>• Lenovo Companion<br>• Lenovo Settings<br>• Microsoft Office preloaded;<br>purchase a product key to activate<br>• McAfee® Live Safe (30-day trial)<br><i>Some:</i> No operating system |
| Optical           | <i>Some:</i> DVD burner, 9.0mm high, removable<br><i>Some:</i> Blank Bezel   |            |              |                |                     |             |              |                    | Limited warranty                                       | <b>1-year</b> - depot repair service / service upgrades available   |
| Ethernet          | Gigabit Ethernet Connection, Realtek R8111GUS  |            |              |                |                     |             |              |                    | Mil-Spec test  | None  |
| WLAN              | <i>One of the following, configurable by model:</i><br>• QCA, Qualcomm 344A-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card<br>• QCA, Qualcomm 435-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card<br>Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter  |            |              |                |                     |             |              |                    | Environment  | EPEAT™ Gold; ENERGY STAR®; RoHS-compliant   |
| Bluetooth™        | None   |            |              |                |                     |             |              |                    |  |   |
| WWAN              | None   |            |              |                |                     |             |              |                    |  |   |
| SIM card          | None   |            |              |                |                     |             |              |                    |  |   |
| Smart Card Reader | None   |            |              |                |                     |             |              |                    |  |   |
| ExpressCard       | None   |            |              |                |                     |             |              |                    |  |   |
| Dock              | None   |            |              |                |                     |             |              |                    |  |   |
| Multicard Reader  | 4-in-1 reader (MMC, SD, SDHC, SDXC)  |            |              |                |                     |             |              |                    |  |   |
| Ports             | Two USB 3.0, one USB 2.0 (Always On), VGA, HDMI, Ethernet (RJ-45), combo audio / microphone jack   |            |              |                |                     |             |              |                    |  |   |
| Monitor cable     | None   |            |              |                |                     |             |              |                    |  |   |

## ThinkPad E575 - TopSeller - 20H8

Product Specifications Reference (PSREF)

| Model      | Region | Processor     | vPro | Graphics        | Memory | Display                   | Multi-touch | Storage(HDD/SSD) | Optical | WLAN + Bluetooth       | WWAN | SIM Card | Color | Case Material | Camera | Keyboard    | Fingerprint Reader | TPM        | Battery       | Power Adapter | Operating System  | Warranty      | Ann Date (m/y) |
|------------|--------|---------------|------|-----------------|--------|---------------------------|-------------|------------------|---------|------------------------|------|----------|-------|---------------|--------|-------------|--------------------|------------|---------------|---------------|-------------------|---------------|----------------|
| 20H8000CUS | US     | AMD A10-9600P | No   | AMD R5 M430 2GB | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 4-cell (41Wh) | 65W           | Windows 10 Pro 64 | 1-year, Depot | 11/16          |
| 20H8000DUS | US     | AMD A10-9600P | No   | AMD R5 M430 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 7200rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 4-cell (41Wh) | 65W           | Windows 10 Pro 64 | 1-year, Depot | 11/16          |
| 20H8000EUS | US     | AMD A10-9600P | No   | AMD R5 M430 2GB | 8GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 4-cell (41Wh) | 65W           | Windows 10 Pro 64 | 1-year, Depot | 11/16          |
| 20H8000FUS | US     | AMD A6-9500B  | No   | AMD R5 Graphics | 8GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM 1.2   | 4-cell (41Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | 11/16          |
| 20H8000GUS | US     | AMD A10-9600P | No   | AMD R5 M430 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD Opal2  | DVD±RW  | QCA435 ac, 1x1 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 4-cell (41Wh) | 65W           | Windows 10 Pro 64 | 1-year, Depot | 11/16          |
| 20H8000HUS | US     | AMD A6-9500B  | No   | AMD R5 Graphics | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm    | DVD±RW  | QCA435 ac, 1x1 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | dTPM 1.2   | 4-cell (41Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | 11/16          |
| 20H8000QUS | US     | AMD A10-9600P | No   | AMD R5 M430 2GB | 8GBx1  | 15.6" HD (1366x768)       | None        | 180GB SSD Opal2  | DVD±RW  | QCA435 ac, 1x1 + BT4.1 | None | None     | Black | PC/ABS        | 720p   | Non-backlit | None               | FW TPM 2.0 | 4-cell (41Wh) | 65W           | Windows 10 Pro 64 | 1-year, Depot | 01/17          |





# ThinkPad L470 Platform Specifications

Product Specifications Reference (PSREF)

| Processor               | 6th Generation Intel® Core™ i3 / i5 / i7 Processor<br>(i7 processor is not available in EMEA) or   | WWAN (optional) <i>One of the following, configurable by model:</i>   |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
|-------------------------|--|---|----------------|---------------------|----------------|-------------------------|-------------------------|-------------------|-----------------------|-------------------|-----------------------|---------|---------|----------|-----|-----------|-----------------------|----------|---------|---------|-----|-----------------------|----------|---------|---------|--|----------|---------|---------|-----|----------|---------|---------|-----|----------|---------|---------|-----|---|
|                         | <table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>i3-6006U</td> <td rowspan="3">2</td> <td rowspan="3">4</td> <td>2.0 GHz</td> <td>-</td> <td>3MB</td> <td rowspan="3">DDR4-2133</td> <td rowspan="3">Intel HD Graphics 520</td> </tr> <tr> <td>i5-6200U</td> <td>2.3 GHz</td> <td>2.8 GHz</td> <td>3MB</td> </tr> <tr> <td>i5-6300U</td> <td>2.4 GHz</td> <td>3.0 GHz</td> <td>3MB</td> </tr> </tbody> </table>   | Processor Number  | # of Cores     | # of Threads        | Base Frequency | Max Turbo Frequency     | Cache                   | Memory Types      | Processor Graphics    | i3-6006U          | 2                     | 4       | 2.0 GHz | -        | 3MB | DDR4-2133 | Intel HD Graphics 520 | i5-6200U | 2.3 GHz | 2.8 GHz | 3MB | i5-6300U              | 2.4 GHz  | 3.0 GHz | 3MB     | <ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card</li> <li>Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)</li> </ul> |          |         |         |     |          |         |         |     |          |         |         |     |   |
| Processor Number        | # of Cores   | # of Threads  | Base Frequency | Max Turbo Frequency | Cache          | Memory Types            | Processor Graphics      |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| i3-6006U                | 2  | 4   | 2.0 GHz        | -                   | 3MB            | DDR4-2133               | Intel HD Graphics 520   |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| i5-6200U                |  |   | 2.3 GHz        | 2.8 GHz             | 3MB            |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| i5-6300U                |  |   | 2.4 GHz        | 3.0 GHz             | 3MB            |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
|                         | Intel Celeron® Processor or 7th Generation Intel Core i3 / i5 / i7 Processor   | SIM card (opt) Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card   |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
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| Processor Number        | # of Cores   | # of Threads  | Base Frequency | Max Turbo Frequency | Cache          | Memory Types            | Processor Graphics      |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| Cel 3965U               | 2  | 4   | 2.2 GHz        | -                   | 2MB            | DDR4-2133               | Intel HD Graphics 610   |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| i3-7100U                |  |   | 2.4 GHz        | -                   | 3MB            |                         | Intel HD Graphics 620   |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| i5-7200U                |  |   | 2.5 GHz        | 3.1 GHz             | 3MB            |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| i5-7300U                |  |   | 2.6 GHz        | 3.5 GHz             | 3MB            |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| i7-7500U                |  |   | 2.7 GHz        | 3.5 GHz             | 4MB            |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| i7-7600U                |  |   | 2.8 GHz        | 3.9 GHz             | 4MB            |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
|                         |  | Weight  |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
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| Models                  | 3-cell   | 6-cell  |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| <i>Integrated model</i> | 4.13 lb / 1.87 kg  | 4.45 lb / 2.02 kg   |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| <i>discrete model</i>   | 4.16 lb / 1.89 kg  | 4.48 lb / 2.03 kg   |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
|                         |  | Case color Black  |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
|                         |  | Case material PC/ABS plastic  |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
|                         |  | Smart card reader <i>Optional:</i> Smart card reader  |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
|                         |  | Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC)  |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
|                         |  | Ports Three USB 3.1 Gen 1 (USB 3.0, one Always On), VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector   |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
|                         |  | Camera (optional) HD720p resolution, fixed focus  |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
|                         |  | Audio support HD Audio, Realtek ALC3268 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack  |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| Graphics                | Intel HD Graphics 610 or 620 in processor only, or Intel HD Graphics 620 in processor and AMD Radeon™ R5 M430, 2GB memory; supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports three independent displays; Max resolution: 3840x2160@60Hz (DP via mDP cable); 1920x1200@60Hz (VGA)   | Keyboard 6-row, spill-resistant, multimedia Fn keys   |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| Chipset                 | Intel SoC (System on Chip) platform  | UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad   |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| Memory                  | 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets<br>* System clocks down for processors with lower memory controller  | Security Power-on password, hard disk password, supervisor password, security keyhole   |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| Display                 | <i>Some:</i> 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio<br><i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle  | Security chip Discrete TPM 2.0, TCG Certified   |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| Multi-touch             | None   | vPro (optional) Intel vPro Technology   |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| Storage                 | <i>System has one HDD slot or one M.2 2280 slot exclusively for storage</i><br><i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Active Protection System™<br><i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)<br><i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s<br><i>Some:</i> 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN   | Fingerprint reader <i>Optional:</i> Swipe style fingerprint reader on the keyboard bezel  |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| Optical                 | None   | NFC None  |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| Ethernet                | <i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville)<br><i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)  | Battery Li-Ion 3-cell (24Wh) or 6-cell (48Wh or 72Wh)   |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| WLAN                    | <i>One of the following, configurable by model:</i><br>• Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card<br>• Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card<br>• Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card  | Max battery life <sup>10</sup> (MobileMark® 2014)   |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| Bluetooth™              | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br>* Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS  | <table border="1"> <thead> <tr> <th>Models</th> <th>3-cell</th> <th>6-cell 48Wh</th> <th>6-cell 72Wh</th> </tr> </thead> <tbody> <tr> <td><i>Integrated model</i></td> <td>7.24 hr</td> <td>14.48 hr</td> <td>21.72 hr</td> </tr> <tr> <td><i>discrete model</i></td> <td>4.34 hr</td> <td>8.68 hr</td> <td>13.02 hr</td> </tr> </tbody> </table>   | Models         | 3-cell              | 6-cell 48Wh    | 6-cell 72Wh             | <i>Integrated model</i> | 7.24 hr           | 14.48 hr              | 21.72 hr          | <i>discrete model</i> | 4.34 hr | 8.68 hr | 13.02 hr |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| Models                  | 3-cell   | 6-cell 48Wh   | 6-cell 72Wh    |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| <i>Integrated model</i> | 7.24 hr  | 14.48 hr  | 21.72 hr       |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
| <i>discrete model</i>   | 4.34 hr  | 8.68 hr   | 13.02 hr       |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
|                         |  | AC adapter 45W or 65W AC adapter  |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
|                         |  | Preload Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64<br>• Lenovo Solution Center<br>• Lenovo PowerEngage<br>• ThinkVantage Product Recovery<br>• ThinkVantage System Update<br>• Adobe® Reader®<br>• Microsoft® Office preloaded; purchase a product key to activate<br>• McAfee® LiveSafe™ (30-day trial) |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
|                         |  | Limited warranty <i>One of the following, configurable by model:</i><br>• 1-year depot repair service<br>• 3-year/1-yr battery depot repair service<br>• 3-year/1-yr battery limited onsite service   |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
|                         |  | Mil-Spec test MIL-STD-810G military certification   |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |
|                         |  | Environment EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant   |                |                     |                |                         |                         |                   |                       |                   |                       |         |         |          |     |           |                       |          |         |         |     |                       |          |         |         |  |          |         |         |     |          |         |         |     |          |         |         |     |   |

ThinkPad L470 - TopSeller - 20J4

Product Specifications Reference (PSREF)

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                 | Multi-touch | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Camera | Keyboard    | Fingerprint Reader | TPM      | Battery       | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|-------------------------|-------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|--------|-------------|--------------------|----------|---------------|---------------|------------------|---------------|----------------|
| 20J4000RUS | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 14" FHD (1920x1080) IPS | None        | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 01/17          |
| 20J4000SUS | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 14" FHD (1920x1080) IPS | None        | 256GB SSD Opal2               | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 01/17          |
| 20J4000TUS | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 01/17          |
| 20J4000UUS | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 14" HD (1366x768)       | None        | 256GB SSD Opal2               | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 01/17          |
| 20J40012US | US     | i3-7100U  | No   | Intel HD 620 | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 01/17          |
| 20J40013US | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 256GB SSD Opal2               | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 01/17          |
| 20J40014US | US     | i5-7300U  | vPro | Intel HD 620 | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 01/17          |
| 20J40015US | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 256GB SSD Opal2               | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 01/17          |
| 20J40016US | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 14" HD (1366x768)       | None        | 256GB SSD Opal2               | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 01/17          |
| 20J4003EUS | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20J4003FUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20J4003GUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 256GB SSD Opal2               | None    | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |

ThinkPad L470 - TopSeller - 20JU

Product Specifications Reference (PSREF)

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                 | Multi-touch | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Camera | Keyboard    | Fingerprint Reader | TPM      | Battery       | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|-------------------------|-------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|--------|-------------|--------------------|----------|---------------|---------------|----------------------|---------------|----------------|
| 20JU0008US | US     | i5-6200U  | No   | Intel HD 520 | 4GBx1  | 14" FHD (1920x1080) IPS | None        | 500GB 7200rpm                 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JU0009US | US     | i5-6200U  | No   | Intel HD 520 | 8GBx1  | 14" HD (1366x768)       | None        | 180GB SSD Opal2               | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JU000AUS | US     | i5-6200U  | No   | Intel HD 520 | 4GBx1  | 14" FHD (1920x1080) IPS | None        | 128GB SSD                     | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JU000BUS | US     | i5-6200U  | No   | Intel HD 520 | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 180GB SSD Opal2               | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JU000CUS | US     | i5-6200U  | No   | Intel HD 520 | 4GBx1  | 14" HD (1366x768)       | None        | 128GB SSD                     | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JU000DUS | US     | i5-6200U  | No   | Intel HD 520 | 8GBx1  | 14" HD (1366x768)       | None        | 256GB SSD Opal2               | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JU000EUS | US     | i5-6200U  | No   | Intel HD 520 | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 256GB SSD Opal2               | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JU000FUS | US     | i5-6200U  | No   | Intel HD 520 | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm                 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JU000QUS | US     | i5-6200U  | No   | Intel HD 520 | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm                 | None    | Intel 8260 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JU000RUS | US     | i5-6200U  | No   | Intel HD 520 | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JU000WUS | US     | i5-6300U  | vPro | Intel HD 520 | 8GBx1  | 14" FHD (1920x1080) IPS | None        | 256GB SSD Opal2               | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 05/17          |
| 20JU0018US | US     | i5-6300U  | vPro | Intel HD 520 | 4GBx1  | 14" HD (1366x768)       | None        | 500GB 7200rpm                 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 05/17          |
| 20JU0019US | US     | i5-6300U  | vPro | Intel HD 520 | 4GBx1  | 14" HD (1366x768)       | None        | 180GB SSD Opal2               | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 05/17          |



# ThinkPad L570 Platform Specifications

Product Specifications Reference (PSREF)

|                    |   |            |              |                |                     |       |              |  |
|--------------------|---|------------|--------------|----------------|---------------------|-------|--------------|--|
| Processor          | 6th Generation Intel® Core™ i3 / i5 / i7 Processor<br>(i7 processor is not available in EMEA) or  |            |              |                |                     |       |              | WWAN (optional) <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card</li> <li>Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)</li> </ul> SIM card (opt) Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card   |
|                    | Processor Number  | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types |  |
|                    | i3-6006U  | 2          | 4            | 2.0 GHz        | -                   | 3MB   | DDR4-2133    | Intel HD Graphics 520  |
|                    | i3-6100U  |            |              | 2.3 GHz        | -                   | 3MB   |              |  |
|                    | i5-6200U  |            |              | 2.3 GHz        | 2.8 GHz             | 3MB   |              |  |
|                    | i5-6300U  |            |              | 2.4 GHz        | 3.0 GHz             | 3MB   |              |  |
|                    | i7-6500U  |            |              | 2.5 GHz        | 3.1 GHz             | 4MB   |              |  |
|                    | i7-6600U  | 2.6 GHz    | 3.4 GHz      | 4MB            |                     |       |              |  |
| Processor          | Intel Celeron® Processor or 7th Generation Intel Core i3 / i5 / i7 Processor  |            |              |                |                     |       |              | ExpressCard (opt) One slot (ExpressCard/34)<br>Smart card reader <i>Optional:</i> Smart card reader<br>Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Ports Four USB 3.1 Gen 1 (USB 3.0, one Always On), VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector<br>Monitor cable <i>Optional:</i> Lenovo Mini-DisplayPort to DisplayPort Monitor Cable (MiniDP to DP)<br>Camera (optional) HD720p resolution, fixed focus<br>Audio support HD Audio, Realtek® ALC3245 codec / stereo speakers, 1.5W x 2 / dual array microphone, combo audio/microphone jack<br>Keyboard 6-row, spill-resistant, multimedia Fn keys, numeric keypad<br>UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad |
|                    | Processor Number  | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types |  |
|                    | Cel 3965U   | 2          | 4            | 2.2 GHz        | -                   | 2MB   | DDR4-2133    | Intel HD Graphics 610  |
|                    | i3-7100U  |            |              | 2.4 GHz        | -                   | 3MB   |              | Intel HD Graphics 620  |
|                    | i5-7200U  |            |              | 2.5 GHz        | 3.1 GHz             | 3MB   |              |  |
|                    | i5-7300U  |            |              | 2.6 GHz        | 3.5 GHz             | 3MB   |              |  |
|                    | i7-7500U  |            |              | 2.7 GHz        | 3.5 GHz             | 4MB   |              |  |
|                    | i7-7600U  |            |              | 2.8 GHz        | 3.9 GHz             | 4MB   |              |  |
| Graphics           | Intel HD Graphics 520, 610, or 620 in processor only; supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports three independent displays; Max resolution: 3840x2160@60Hz (DP via mDP cable); 1920x1200@60Hz (VGA)   |            |              |                |                     |       |              | Security Power-on password, hard disk password, supervisor password, security keyhole<br>Security chip Discrete TPM 2.0, TCG Certified<br>vPro (optional) Intel vPro Technology<br>Fingerprint reader <i>Optional:</i> Swiipe style fingerprint reader on the palm rest<br>NFC None  |
| Chipset Memory     | Intel SoC (System on Chip) platform<br>32GB max / 2133MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets  |            |              |                |                     |       |              | Battery Li-Ion 6-cell (48Wh)<br>Max battery life <i>MobileMark® 2014:</i> 14.8 hr<br>AC adapter 45W AC adapter   |
| Display            | <i>Some:</i> 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 350:1 contrast ratio<br><i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 or 500:1 contrast ratio<br><i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio, 160° viewing angle  |            |              |                |                     |       |              | Preload Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64<br><ul style="list-style-type: none"> <li>Lenovo Solution Center</li> <li>Lenovo PowerEngage</li> <li>ThinkVantage Product Recovery</li> <li>ThinkVantage System Update</li> <li>Adobe® Reader®</li> <li>Microsoft® Office preloaded; purchase a product key to activate</li> <li>McAfee® LiveSafe™ (30-day trial)</li> </ul> <i>Some:</i> Windows 10 Home 64<br><ul style="list-style-type: none"> <li>Lenovo Companion</li> <li>Lenovo Setting</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> </ul>  |
| Multi-touch        | None  |            |              |                |                     |       |              |  |
| Storage            | <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)<br><i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s<br><i>Some:</i> 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN  |            |              |                |                     |       |              | Limited warranty <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>   |
| Optical (optional) | DVD-ROM or DVD burner, 9mm high, fixed, not removable, tray-in  |            |              |                |                     |       |              | Mil-Spec test MIL-STD-810G military certification  |
| Ethernet           | <i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville)<br><i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)   |            |              |                |                     |       |              | Environment EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant  |
| WLAN               | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card (US only)</li> <li>Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> <li>Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> </ul> Bluetooth™ 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br>* Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS |            |              |                |                     |       |              |  |

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                   | Multi-touch | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | ExpressCard      | Monitor Cable | Camera | Key-board   | Fingerprint Reader | TPM      | Battery       | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|---------------------------|-------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------------------|---------------|--------|-------------|--------------------|----------|---------------|---------------|------------------|---------------|----------------|
| 20J8000WUS | US     | i3-7100U  | No   | Intel HD 620 | 4GBx1  | 15.6" HD (1366x768)       | None        | 180GB SSD Opal2               | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None             | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20J8000XUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD Opal2               | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None             | None          | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20J8000YUS | US     | i5-7300U  | vPro | Intel HD 620 | 4GBx1  | 15.6" HD (1366x768)       | None        | 128GB SSD                     | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None             | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20J80010US | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm                 | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None             | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20J80011US | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 15.6" HD (1366x768)       | None        | 180GB SSD Opal2               | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None             | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20J80012US | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 15.6" HD (1366x768)       | None        | 128GB SSD                     | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None             | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20J80013US | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD Opal2               | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None             | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20J80014US | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 15.6" HD (1366x768)       | None        | 256GB SSD Opal2               | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None             | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20J80015US | US     | i3-7100U  | No   | Intel HD 620 | 4GBx1  | 15.6" HD (1366x768)       | None        | 256GB SSD Opal2               | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None             | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20J80016US | US     | i3-7100U  | No   | Intel HD 620 | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm                 | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None             | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20J80017US | US     | i5-7300U  | vPro | Intel HD 620 | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm                 | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None             | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 03/17          |
| 20J8002EUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD Opal2               | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | ExpressCard / 34 | None          | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20J8002FUS | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm                 | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | ExpressCard / 34 | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20J8002GUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | ExpressCard / 34 | None          | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20J8002LUS | US     | i7-7500U  | No   | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD Opal2               | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | ExpressCard / 34 | None          | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 06/17          |
| 20J8002MUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD Opal2               | DVD±RW  | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | ExpressCard / 34 | None          | 720p   | Non-backlit | Fingerprint Reader | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 06/17          |

ThinkPad L570 - TopSeller - 20JQ

Product Specifications Reference (PSREF)

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                   | Multi-touch | Storage(HDD/SSD) | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | ExpressCard      | Monitor Cable | Camera | Key-board   | Fingerprint Reader | TPM      | Battery       | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|---------------------------|-------------|------------------|---------|----------------------------|-----------------|----------|-------------------|------------------|---------------|--------|-------------|--------------------|----------|---------------|---------------|----------------------|---------------|----------------|
| 20JQ000UUS | US     | i3-6006U  | No   | Intel HD 520 | 4GBx1  | 15.6" HD (1366x768)       | None        | 180GB SSD Opal2  | DVD±RW  | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | ExpressCard / 34 | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/17          |
| 20JQ000VUS | US     | i5-6300U  | vPro | Intel HD 520 | 4GBx1  | 15.6" HD (1366x768)       | None        | 180GB SSD Opal2  | DVD±RW  | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | ExpressCard / 34 | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/17          |
| 20JQ000WUS | US     | i5-6300U  | vPro | Intel HD 520 | 4GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD Opal2  | DVD±RW  | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | ExpressCard / 34 | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 06/17          |
| 20JQ000XUS | US     | i3-6006U  | No   | Intel HD 520 | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm    | DVD±RW  | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | ExpressCard / 34 | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/17          |
| 20JQ000YUS | US     | i5-6300U  | vPro | Intel HD 520 | 4GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 7200rpm    | DVD±RW  | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | ExpressCard / 34 | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 06/17          |
| 20JQ0010US | US     | i5-6300U  | vPro | Intel HD 520 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD Opal2  | DVD±RW  | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | ExpressCard / 34 | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 06/17          |
| 20JQ0011US | US     | i5-6300U  | vPro | Intel HD 520 | 4GBx1  | 15.6" HD (1366x768)       | None        | 500GB 7200rpm    | DVD±RW  | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | ExpressCard / 34 | None          | 720p   | Non-backlit | None               | dTPM 2.0 | 6-cell (48Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 06/17          |





# ThinkPad P50 Platform Specifications

Product Specifications Reference (PSREF)

|                         |  |                 |              |                 |                     |               |              |                                |  |  |
|-------------------------|--|-----------------|--------------|-----------------|---------------------|---------------|--------------|--------------------------------|--|--|
| Processor               | 6th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v5 Family   |                 |              |                 |                     |               |              | Smart card reader              | Optional: Smart card reader  |  |
|                         | Processor Number   | # of Cores      | # of Threads | Base Frequency  | Max Turbo Frequency | Cache         | Memory Types | Processor Graphics             | ExpressCard  | One slot (ExpressCard/34)  |
|                         | i7-6700HQ  | 4               | 8            | 2.6 GHz         | 3.5 GHz             | 6MB           | DDR4-2133    | Intel HD Graphics 530          | Media reader   | 4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card   |
|                         | i7-6820HQ  |                 |              | 2.7 GHz         | 3.6 GHz             | 8MB           |              |                                | Ports  | Four USB 3.0 (one Always On), USB Type-C / Thunderbolt 3, Mini DisplayPort, HDMI, Ethernet (RJ-45), Dock connector   |
|                         | E3-1505M v5  |                 |              | 2.8 GHz         | 3.7 GHz             | 8MB           |              |                                | Camera (optional)  | HD720p resolution, low light sensitive, fixed focus  |
| E3-1535M v5             | 2.9 GHz  |                 |              | 3.8 GHz         | 8MB                 | Audio support |              |                                | HD Audio, Realtek® ALC3268 codec / stereo speakers, 1.5W x 2 / dual array microphone, combo audio/microphone jack  |  |
| Graphics                | Intel HD Graphics 530 or P530 in processor and NVIDIA Quadro® M1000M (2GB or 4GB memory) or M2000M (4GB memory); supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; supports four independent displays; Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable); 3840x2160@60Hz (Thunderbolt); 3840x2160@30Hz (HDMI) |                 |              |                 |                     |               |              | Keyboard                       | 6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight   |  |
| Chipset                 | Mobile Intel CM236 Chipset (Intel GL82CM236 PCH)   |                 |              |                 |                     |               |              | UltraNav™                      | 3-button TrackPoint® pointing device and 3-button crystal silk surface multi-touch touchpad  |  |
| Memory                  | 64GB max <sup>7</sup> / 2133MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets  |                 |              |                 |                     |               |              | Security                       | Power-on password, hard disk password, supervisor password, security keyhole   |  |
| Display                 | Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio, 45% gamut, 160° viewing angle  |                 |              |                 |                     |               |              | Security chip                  | Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset  |  |
|                         | Some: 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 100% gamut, 178° viewing angle   |                 |              |                 |                     |               |              | ThinkEngine                    | Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures  |  |
| Multi-touch (opt)       | Capacitive-type multi-touch, supports 10-finger gesture, 220 nits  |                 |              |                 |                     |               |              | vPro (optional)                | Intel vPro Technology  |  |
| Pen (optional)          | ThinkPad Pen Pro, active pen for multi-touch display   |                 |              |                 |                     |               |              | Fingerprint reader             | Touch style fingerprint reader on the palm rest  |  |
| Storage                 | Up to 3 drives (two M.2 SSD and one HDD)   |                 |              |                 |                     |               |              | Color calibration              | Optional: Pantone® color calibrator by X-Rite® color calibration sensor in palm rest   |  |
|                         | Some: M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)<br>Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)<br>Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Shock Mounted Hard Drive, Active Protection System™  |                 |              |                 |                     |               |              | Battery                        | Lithium Polymer 4-cell (66Wh) or 6-cell (90Wh)   |  |
| Optical                 | None   |                 |              |                 |                     |               |              | Max battery life <sup>10</sup> | (MobileMark® 2014)   |  |
|                         | None   |                 |              |                 |                     |               |              | Model                          | 4-cell   | 6-cell   |
| Ethernet                | Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)  |                 |              |                 |                     |               |              | Discrete Graphics              | 7.1 hr   | 9.7 hr   |
|                         | vPro model: Intel Ethernet Connection I219-LM (Jacksonville)   |                 |              |                 |                     |               |              | Hybrid Graphics                | 9.6 hr   | 13.2 hr  |
| WLAN <sup>4</sup>       | 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card   |                 |              |                 |                     |               |              | AC adapter                     | 170W AC adapter  |  |
| Bluetooth™              | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter  |                 |              |                 |                     |               |              | Preload                        | Some: Genuine Windows® 7 Professional 64   | Windows 10 Pro 64  |
| WWAN (optional)         | Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA/HSPA/UMTS/GNSS, M.2 card   |                 |              |                 |                     |               |              |                                | Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64   | <ul style="list-style-type: none"> <li>Lenovo Solution Center</li> <li>Lenovo SHAREit</li> <li>Lenovo Companion</li> <li>Lenovo Setting</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>McAfee® LiveSafe™ (30-day trial)</li> </ul> |
| SIM card                | Micro-SIM card slot  |                 |              |                 |                     |               |              |                                | <ul style="list-style-type: none"> <li>Lenovo Solution Center</li> <li>Lenovo SHAREit</li> <li>ThinkVantage Product Recovery</li> <li>Rescue and Recovery™</li> <li>ThinkVantage System Update</li> <li>Adobe® Reader®</li> <li>Microsoft® Office preloaded; purchase a product key to activate</li> <li>McAfee® LiveSafe™ (30-day trial)</li> </ul> |  |
| Dimensions <sup>3</sup> | WxDxH: 14.86" x 9.93" x 0.96-1.16"; 377.4mm x 252.3mm x 24.5-29.4mm<br>WxDxH(Touch): 14.86" x 9.93" x 1.02-1.21"; 377.4mm x 252.3mm x 25.8-30.7mm  |                 |              |                 |                     |               |              |                                |  |  |
| Weight <sup>2</sup>     | Models   | 4-cell          |              | 6-cell          |                     |               |              |                                |  |  |
|                         | Non-touch  | 5.6 lb / 2.55kg |              | 5.9 lb / 2.67kg |                     |               |              |                                |  |  |
|                         | Multi-touch  | 6.2 lb / 2.82kg |              | 6.4 lb / 2.90kg |                     |               |              |                                |  |  |
| Case material           | Display cover: Glass-Fiber Reinforced Plastic;   |                 |              |                 |                     |               |              | Limited warranty <sup>12</sup> | One of the following, configurable by model:   |  |
|                         | Bottom: Magnesium/Aluminum   |                 |              |                 |                     |               |              |                                | <ul style="list-style-type: none"> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service<sup>24</sup></li> <li>3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)</li> </ul>   |  |
|                         |  |                 |              |                 |                     |               |              | Mil-Spec test                  | MIL-STD-810G military certification  |  |
|                         |  |                 |              |                 |                     |               |              | Environment                    | EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant   |  |

| Model      | Region | Processor | vPro | Graphics   | Memory         | Display                   | Multi-touch          | Pen  | Storage(HDD/SSD)        | RAID | Optical | WLAN + Bluetooth           | WWAN | SIM Card | Smart Card Reader | Camera | Keyboard | Fingerprint Reader | Color Calibrator | Battery       | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|------------|----------------|---------------------------|----------------------|------|-------------------------|------|---------|----------------------------|------|----------|-------------------|--------|----------|--------------------|------------------|---------------|---------------|----------------------|---------------|----------------|
| 20EN0012US | US     | i7-6700HQ | No   | M1000M 2GB | 8GBx1 non-ECC  | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN0013US | US     | i7-6700HQ | No   | M1000M 2GB | 8GBx1 non-ECC  | 15.6" FHD (1920x1080) IPS | None                 | None | 500GB 7200rpm           | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN0014US | US     | i7-6700HQ | No   | M1000M 2GB | 8GBx1 non-ECC  | 15.6" FHD (1920x1080) IPS | None                 | None | 1TB 5400rpm             | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN0015US | US     | i7-6700HQ | No   | M1000M 2GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN0016US | US     | i7-6820HQ | vPro | M1000M 2GB | 8GBx1 non-ECC  | 15.6" FHD (1920x1080) IPS | None                 | None | 500GB 7200rpm           | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN0017US | US     | i7-6820HQ | vPro | M1000M 2GB | 8GBx1 non-ECC  | 15.6" FHD (1920x1080) IPS | None                 | None | 1TB 5400rpm             | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN0018US | US     | i7-6820HQ | vPro | M1000M 2GB | 8GBx1 non-ECC  | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN0019US | US     | i7-6820HQ | vPro | M1000M 2GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN001AUS | US     | i7-6820HQ | vPro | M2000M 4GB | 8GBx1 non-ECC  | 15.6" FHD (1920x1080) IPS | None                 | None | 500GB 7200rpm           | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN001BUS | US     | i7-6820HQ | vPro | M2000M 4GB | 8GBx1 non-ECC  | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN001CUS | US     | i7-6820HQ | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN001DUS | US     | i7-6820HQ | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" 4K (3840x2160) IPS  | None                 | None | 500GB 7200rpm           | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN001EUS | US     | i7-6820HQ | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" 4K (3840x2160) IPS  | None                 | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN001FUS | US     | i7-6820HQ | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" 4K (3840x2160) IPS  | None                 | None | 512GB SSD M.2 PCIe NVMe | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN001GUS | US     | i7-6700HQ | No   | M1000M 2GB | 8GBx1 non-ECC  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | None | 500GB 7200rpm           | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 6-cell (90Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 11/15          |
| 20EN001HUS | US     | i7-6700HQ | No   | M1000M 2GB | 8GBx1 non-ECC  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 6-cell (90Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 11/15          |
| 20EN001JUS | US     | i7-6820HQ | vPro | M1000M 2GB | 8GBx1 non-ECC  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | None | 500GB 7200rpm           | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 6-cell (90Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 11/15          |
| 20EN001KUS | US     | i7-6820HQ | vPro | M1000M 2GB | 8GBx1 non-ECC  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 6-cell (90Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 11/15          |
| 20EN001LUS | US     | i7-6820HQ | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 6-cell (90Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 11/15          |
| 20EN001MUS | US     | i7-6820HQ | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | None | 512GB SSD M.2 PCIe NVMe | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 6-cell (90Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 11/15          |

| Model      | Region | Processor        | vPro | Graphics   | Memory         | Display                   | Multi-touch          | Pen  | Storage(HDD/SSD)        | RAID | Optical | WLAN + Bluetooth           | WWAN | SIM Card | Smart Card Reader | Camera | Keyboard | Fingerprint Reader | Color Calibrator | Battery       | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|------------------|------|------------|----------------|---------------------------|----------------------|------|-------------------------|------|---------|----------------------------|------|----------|-------------------|--------|----------|--------------------|------------------|---------------|---------------|----------------------|---------------|----------------|
| 20EN001NUS | US     | Xeon E3-1505M v5 | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 6-cell (90Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 11/15          |
| 20EN001PUS | US     | Xeon E3-1505M v5 | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | None | 512GB SSD M.2 PCIe NVMe | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 6-cell (90Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 11/15          |
| 20EN001QUS | US     | Xeon E3-1505M v5 | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" 4K (3840x2160) IPS  | None                 | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN001RUS | US     | Xeon E3-1505M v5 | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" 4K (3840x2160) IPS  | None                 | None | 512GB SSD M.2 PCIe NVMe | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN001SUS | US     | Xeon E3-1505M v5 | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN001TUS | US     | Xeon E3-1505M v5 | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN002FUS | US     | i7-6700HQ        | No   | M1000M 2GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 500GB 7200rpm           | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN002GUS | US     | i7-6700HQ        | No   | M1000M 2GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 500GB 7200rpm           | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 11/15          |
| 20EN002HUS | US     | i7-6700HQ        | No   | M1000M 2GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN002JUS | US     | i7-6700HQ        | No   | M1000M 2GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 11/15          |
| 20EN002KUS | US     | i7-6820HQ        | vPro | M1000M 2GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN002LUS | US     | i7-6820HQ        | vPro | M1000M 2GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 11/15          |
| 20EN002MUS | US     | i7-6820HQ        | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20EN002NUS | US     | i7-6820HQ        | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 11/15          |
| 20EN002PUS | US     | Xeon E3-1505M v5 | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 11/15          |
| 20EN002QUS | US     | i7-6820HQ        | vPro | M2000M 4GB | 16GBx1 non-ECC | 15.6" 4K (3840x2160) IPS  | None                 | None | 256GB SSD M.2 Opal2     | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 6-cell (90Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 11/15          |
| 20EN003LUS | US     | i7-6820HQ        | vPro | M1000M 4GB | 8GBx4 non-ECC  | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe | No   | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | Smart Card Reader | 720p   | Backlit  | Fingerprint Reader | None             | 6-cell (90Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 07/16          |



# ThinkPad P51 Platform Specifications

Product Specifications Reference (PSREF)

| Processor   | 7th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v6 Family |                 |                 |                |                     |           |                        | Dimensions<br><i>WxDxH:</i> 14.86" x 9.93" x 0.96-1.16"; 377.4mm x 252.3mm x 24.5-29.4mm<br><i>WxDxH(Touch):</i> 14.86" x 9.93" x 1.02-1.21"; 377.4mm x 252.3mm x 25.8-30.7mm |  |        |        |        |                  |                 |                 |                    |                 |                 |
|-------------|--|-----------------|-----------------|----------------|---------------------|-----------|------------------------|---|--|--------|--------|--------|------------------|-----------------|-----------------|--------------------|-----------------|-----------------|
|             | Processor Number   | # of Cores      | # of Threads    | Base Frequency | Max Turbo Frequency | Cache     | Memory Types           |   | Weight<br><table border="1"> <thead> <tr> <th>Models</th> <th>4-cell</th> <th>6-cell</th> </tr> </thead> <tbody> <tr> <td><i>Non-touch</i></td> <td>5.6 lb / 2.55kg</td> <td>5.9 lb / 2.67kg</td> </tr> <tr> <td><i>Multi-touch</i></td> <td>6.2 lb / 2.82kg</td> <td>6.4 lb / 2.90kg</td> </tr> </tbody> </table> | Models | 4-cell | 6-cell | <i>Non-touch</i> | 5.6 lb / 2.55kg | 5.9 lb / 2.67kg | <i>Multi-touch</i> | 6.2 lb / 2.82kg | 6.4 lb / 2.90kg |
|             | Models   | 4-cell          | 6-cell          |                |                     |           |                        |   |  |        |        |        |                  |                 |                 |                    |                 |                 |
|             | <i>Non-touch</i>   | 5.6 lb / 2.55kg | 5.9 lb / 2.67kg |                |                     |           |                        |   |  |        |        |        |                  |                 |                 |                    |                 |                 |
|             | <i>Multi-touch</i>   | 6.2 lb / 2.82kg | 6.4 lb / 2.90kg |                |                     |           |                        |   |  |        |        |        |                  |                 |                 |                    |                 |                 |
| i7-7700HQ   | 4  | 8               | 2.8 GHz         | 3.8 GHz        | 6MB                 | DDR4-2400 | Intel HD Graphics 630  |   |  |        |        |        |                  |                 |                 |                    |                 |                 |
| i7-7820HQ   |  |                 | 2.9 GHz         | 3.9 GHz        |                     |           | Intel HD Graphics P630 |   |  |        |        |        |                  |                 |                 |                    |                 |                 |
| E3-1505M v6 |  |                 | 3.0 GHz         | 4.0 GHz        | 8MB                 |           | Intel HD Graphics P630 |   |  |        |        |        |                  |                 |                 |                    |                 |                 |
| E3-1535M v6 |  |                 | 3.1 GHz         | 4.2 GHz        |                     |           |                        |   |  |        |        |        |                  |                 |                 |                    |                 |                 |

|          |   |   |  |
|----------|---|---|--|
| Graphics | Intel HD Graphics 630 or P630 in processor and NVIDIA Quadro® M1200 or M2200, 4GB memory; supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; supports four independent displays; Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable); 3840x2160@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI) | Smart card reader<br>ExpressCard<br>Media reader<br>Ports | <i>Optional:</i> Smart card reader<br>One slot (ExpressCard/34)<br>4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card<br>Four USB 3.1 Gen 1 (USB 3.0, one Always On), USB Type-C / Thunderbolt 3, Mini DisplayPort 1.2a, HDMI 1.4b, Ethernet (RJ-45), Dock connector |
|----------|---|---|--|

|         |   |                            |   |
|---------|---|----------------------------|---|
| Chipset | Mobile Intel CM238 Chipset  | Camera ( <i>optional</i> ) | HD720p resolution, fixed focus  |
| Memory  | 64GB max <sup>7</sup> / 2400MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets | Audio support              | HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack |

|         |  |                       |   |
|---------|--|-----------------------|---|
| Display | <i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle<br><i>Some:</i> 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 100% gamut, 170° viewing angle | Keyboard<br>UltraNav™ | 6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight<br>3-button TrackPoint® pointing device and<br>3-button Mylar surface multi-touch touchpad |
|---------|--|-----------------------|---|

|   |  |   |  |
|---|--|---|--|
| Multi-touch ( <i>opt</i> )<br>Pen ( <i>optional</i> ) | Capacitive-type multi-touch, supports 10-finger gesture, 220 nits (FHD only)<br>ThinkPad Pen Pro, active pen for multi-touch display | Security<br>Security chip<br>vPro ( <i>optional</i> ) | Power-on password, hard disk password, supervisor password, security keyhole<br>Discrete TPM 2.0, TCG Certified<br>Intel vPro Technology |
|---|--|---|--|

|         |  |                    |   |
|---------|--|--------------------|---|
| Storage | <i>Up to 3 drives (two M.2 SSD and one HDD)</i><br><i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s<br><i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ | Fingerprint reader | Touch style match on chip fingerprint reader on the palm rest |
|---------|--|--------------------|---|

|         |      |                          |   |
|---------|------|--------------------------|---|
| Optical | None | Color calibration<br>NFC | <i>Optional:</i> Pantone® color calibrator by X-Rite® color calibration sensor in palm rest<br>None |
|---------|------|--------------------------|---|

|          |   |         |  |
|----------|---|---------|--|
| Ethernet | <i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville)<br><i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville) | Battery | Lithium Polymer 4-cell (66Wh) or 6-cell (90Wh) |
|----------|---|---------|--|

| WLAN                     | Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card | Max battery life <sup>10</sup><br>(MobileMark® 2014) | <table border="1"> <thead> <tr> <th>Model</th> <th>4-cell</th> <th>6-cell</th> </tr> </thead> <tbody> <tr> <td><i>Discrete Graphics</i></td> <td>4.5 hr</td> <td>6.1 hr</td> </tr> <tr> <td><i>Hybrid Graphics</i></td> <td>6.5 hr</td> <td>8.9 hr</td> </tr> </tbody> </table> | Model | 4-cell | 6-cell | <i>Discrete Graphics</i> | 4.5 hr | 6.1 hr | <i>Hybrid Graphics</i> | 6.5 hr | 8.9 hr |
|--------------------------|--|--|---|-------|--------|--------|--------------------------|--------|--------|------------------------|--------|--------|
| Model                    | 4-cell   | 6-cell   |   |       |        |        |                          |        |        |                        |        |        |
| <i>Discrete Graphics</i> | 4.5 hr   | 6.1 hr   |   |       |        |        |                          |        |        |                        |        |        |
| <i>Hybrid Graphics</i>   | 6.5 hr   | 8.9 hr   |   |       |        |        |                          |        |        |                        |        |        |

|            |  |            |                 |
|------------|--|------------|-----------------|
| Bluetooth™ | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br>* Intel 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS | AC adapter | 170W AC adapter |
|------------|--|------------|-----------------|

|                          |   |         |   |
|--------------------------|---|---------|---|
| WWAN ( <i>optional</i> ) | <i>One of the following, configurable by model:</i><br>• Wireless WAN upgradable<br>• Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card | Preload | <i>Some:</i> Windows® 10 Home 64<br><i>Some:</i> Windows 10 Pro 64<br>• Lenovo Companion<br>• Lenovo Setting<br>• Microsoft Office preloaded;<br>purchase a product key to activate |
|--------------------------|---|---------|---|

|                         |  |                  |  |
|-------------------------|--|------------------|--|
| SIM card ( <i>opt</i> ) | Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card | Limited warranty | <i>One of the following, configurable by model:</i><br>• 1-year depot repair service<br>• 3-year/1-yr battery depot repair service<br>• 3-year/1-yr battery limited onsite service |
|-------------------------|--|------------------|--|

|  |  |               |   |
|--|--|---------------|---|
|  |  | Mil-Spec test | MIL-STD-810G military certification                     |
|  |  | Environment   | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant |

| Model      | Region | Processor        | vPro | Graphics | Chipset     | Memory        | Display                   | Multi-touch          | Pen  | Storage (HDD/SSD)             | RAID | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Camera | Key-board | Finger-print Reader | NFC  | Color Calibrator | TPM      | Battery       | Power Adapter | Operating System | Warranty      | Ann Date (mly) |
|------------|--------|------------------|------|----------|-------------|---------------|---------------------------|----------------------|------|-------------------------------|------|---------|----------------------------|-----------------|----------|-------------------|--------|-----------|---------------------|------|------------------|----------|---------------|---------------|------------------|---------------|----------------|
| 20HH0004US | US     | i7-7700HQ        | No   | M1200    | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH0005US | US     | Xeon E3-1505M v6 | vPro | M2200    | Intel CM238 | 8GBx2 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 1TB 5400rpm                   | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH0006US | US     | Xeon E3-1535M v6 | vPro | M2200    | Intel CM238 | 8GBx2 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH0007US | US     | Xeon E3-1535M v6 | vPro | M2200    | Intel CM238 | 8GBx2 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH0008US | US     | Xeon E3-1535M v6 | vPro | M2200    | Intel CM238 | 8GBx2 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 1TB SSD M.2 PCIe NVMe Opal2   | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH0009US | US     | Xeon E3-1535M v6 | vPro | M2200    | Intel CM238 | 8GBx2 non-ECC | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | X-Rite           | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000AUS | US     | i7-7700HQ        | No   | M1200    | Intel CM238 | 8GBx2 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 1TB SSD M.2 PCIe NVMe Opal2   | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000BUS | US     | Xeon E3-1505M v6 | vPro | M2200    | Intel CM238 | 8GBx2 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000CUS | US     | i7-7820HQ        | vPro | M2200    | Intel CM238 | 8GBx2 non-ECC | 15.6" 4K (3840x2160) IPS  | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | X-Rite           | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000DUS | US     | Xeon E3-1535M v6 | vPro | M2200    | Intel CM238 | 8GBx2 non-ECC | 15.6" 4K (3840x2160) IPS  | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | X-Rite           | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000EUS | US     | Xeon E3-1505M v6 | vPro | M2200    | Intel CM238 | 8GBx2 non-ECC | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | None | 1TB SSD M.2 PCIe NVMe Opal2   | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | X-Rite           | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000FUS | US     | i7-7700HQ        | No   | M1200    | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 1TB 5400rpm                   | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000GUS | US     | i7-7820HQ        | vPro | M1200    | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000HUS | US     | Xeon E3-1535M v6 | vPro | M2200    | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000JUS | US     | Xeon E3-1535M v6 | vPro | M2200    | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000KUS | US     | Xeon E3-1505M v6 | vPro | M2200    | Intel CM238 | 8GBx2 non-ECC | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | None | 1TB 5400rpm                   | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | X-Rite           | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000LUS | US     | Xeon E3-1505M v6 | vPro | M2200    | Intel CM238 | 8GBx2 non-ECC | 15.6" 4K (3840x2160) IPS  | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | X-Rite           | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000MUS | US     | i7-7700HQ        | No   | M1200    | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 1TB SSD M.2 PCIe NVMe Opal2   | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000NUS | US     | i7-7820HQ        | vPro | M1200    | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000PUS | US     | Xeon E3-1505M v6 | vPro | M2200    | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit   | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |

| Model      | Region | Processor        | Pro  | Graphics  | Chipset     | Memory        | Display                   | Multi-touch          | Pen  | Storage (HDD/SSD)             | RAID | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Camera | Keyboard | Finger-print Reader | NFC  | Color Calibrator | TPM      | Battery       | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|------------------|------|-----------|-------------|---------------|---------------------------|----------------------|------|-------------------------------|------|---------|----------------------------|-----------------|----------|-------------------|--------|----------|---------------------|------|------------------|----------|---------------|---------------|------------------|---------------|----------------|
| 20HH000QUS | US     | Xeon E3-1505M v6 | vPro | M2200 4GB | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000RUS | US     | Xeon E3-1505M v6 | vPro | M2200 4GB | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000SUS | US     | Xeon E3-1535M v6 | vPro | M2200 4GB | Intel CM238 | 8GBx2 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000TUS | US     | i7-7700HQ        | No   | M1200 4GB | Intel CM238 | 8GBx2 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000UUS | US     | Xeon E3-1505M v6 | vPro | M2200 4GB | Intel CM238 | 8GBx2 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000VUS | US     | Xeon E3-1505M v6 | vPro | M2200 4GB | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 1TB 5400rpm                   | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000WUS | US     | i7-7700HQ        | No   | M1200 4GB | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 256GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000XUS | US     | i7-7700HQ        | No   | M1200 4GB | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH000YUS | US     | i7-7700HQ        | No   | M1200 4GB | Intel CM238 | 8GBx2 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 1TB 5400rpm                   | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH0010US | US     | Xeon E3-1505M v6 | vPro | M2200 4GB | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH0011US | US     | i7-7700HQ        | No   | M1200 4GB | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 500GB 7200rpm                 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH0012US | US     | i7-7820HQ        | vPro | M1200 4GB | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 1TB SSD M.2 PCIe NVMe Opal2   | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH0013US | US     | Xeon E3-1505M v6 | vPro | M2200 4GB | Intel CM238 | 8GBx2 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 1TB SSD M.2 PCIe NVMe Opal2   | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | None             | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HH002LUS | US     | i7-7820HQ        | vPro | M2200 4GB | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 1TB SSD M.2 PCIe NVMe Opal2   | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | X-Rite           | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 05/17          |
| 20HH002MUS | US     | i7-7700HQ        | No   | M1200 4GB | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | X-Rite           | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 05/17          |
| 20HH002NUS | US     | i7-7820HQ        | vPro | M2200 4GB | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | None                 | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | X-Rite           | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 05/17          |
| 20HH002PUS | US     | i7-7820HQ        | vPro | M2200 4GB | Intel CM238 | 8GBx1 non-ECC | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | X-Rite           | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 05/17          |
| 20HH002QUS | US     | i7-7700HQ        | No   | M1200 4GB | Intel CM238 | 8GBx2 non-ECC | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | 720p   | Backlit  | Finger-print Reader | None | X-Rite           | dTPM 2.0 | 6-cell (90Wh) | 170W          | Win10 Pro 64     | 3-year, Depot | 05/17          |







# ThinkPad P51s Platform Specifications

Product Specifications Reference (PSREF)

|                   |   |            |              |                |                     |       |              |  |
|-------------------|---|------------|--------------|----------------|---------------------|-------|--------------|--|
| Processor         | 6th Generation Intel® Core™ i7 Processor  |            |              |                |                     |       |              | Dimensions<br>WxDxH: 14.40" x 9.95" x 0.79-0.80"; 365.8mm x 252.8mm x 19.95-20.2mm   |
|                   | Processor Number  | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types |  |
|                   | i7-6500U  | 2          | 4            | 2.5 GHz        | 3.1 GHz             | 4MB   | DDR4-2133    | Intel HD Graphics 520  |
|                   | i7-6600U  |            |              | 2.6 GHz        | 3.4 GHz             | 4MB   |              |  |
|                   | or 7th Generation Intel Core i5 / i7 Processor  |            |              |                |                     |       |              |  |
|                   | Processor Number  | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics   |
|                   | i5-7300U  | 2          | 4            | 2.6 GHz        | 3.5 GHz             | 3MB   | DDR4-2133    | Intel HD Graphics 620  |
|                   | i7-7500U  |            |              | 2.7 GHz        | 3.5 GHz             | 4MB   |              |  |
|                   | i7-7600U  |            |              | 2.8 GHz        | 3.9 GHz             | 4MB   |              |  |
| Graphics          | Intel HD Graphics 520 or 620 in processor and NVIDIA Quadro® M520, 2GB 2.5GHz GDDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 3840x2160@30Hz (HDMI)   |            |              |                |                     |       |              | Weight<br><i>Models</i>  |
| Chipset           | Intel SoC (System on Chip) platform   |            |              |                |                     |       |              | 4 + 3-cell   |
| Memory            | 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets<br>* System clocks down for processors with lower memory controller   |            |              |                |                     |       |              | 6-cell   |
| Display           | Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle<br>Some: 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 72% gamut, 170° viewing angle   |            |              |                |                     |       |              | 4 + 6-cell   |
| Multi-touch (opt) | On-cell touch, supports 10-finger gesture (FHD only)  |            |              |                |                     |       |              | Non-touch model  |
| Storage           | System has one HDD slot or one M.2 2280 slot exclusively for storage<br>Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br>Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)<br>Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s<br>Some: 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN and WiGig              |            |              |                |                     |       |              | Multi-touch model  |
| Optical           | None  |            |              |                |                     |       |              | 4.44 lb / 2.01 kg  |
| Ethernet          | Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)<br>vPro model: Intel Ethernet Connection I219-LM (Jacksonville)   |            |              |                |                     |       |              | 4.85 lb / 2.20 kg  |
| WLAN              | One of the following, configurable by model (WiGig can coexist with WWAN):<br>• Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card<br>• Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card<br>• Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card<br>• Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card |            |              |                |                     |       |              | 4.85 lb / 2.20 kg  |
| Bluetooth™        | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br>* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS  |            |              |                |                     |       |              |  |
| WWAN (optional)   | One of the following, configurable by model (WWAN can coexist with WiGig):<br>• Wireless WAN upgradable<br>• Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card<br>• Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)  |            |              |                |                     |       |              |  |
| SIM card (opt)    | Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card  |            |              |                |                     |       |              |  |
|                   |   |            |              |                |                     |       |              | Case color<br>Black  |
|                   |   |            |              |                |                     |       |              | Case material<br>Display cover: Glass-Fiber Reinforced Plastic (PPS);<br>Bottom: Glass-Fiber Reinforced Plastic  |
|                   |   |            |              |                |                     |       |              | Smart card reader<br>Optional: Smart card reader   |
|                   |   |            |              |                |                     |       |              | Media reader<br>4-in-1 reader (MMC, SD, SDHC, SDXC), supports SD 3.0, UHS-I  |
|                   |   |            |              |                |                     |       |              | Ports<br>Three USB 3.1 Gen 1 (USB 3.0, one Always On),<br>USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45),<br>Dock connector   |
|                   |   |            |              |                |                     |       |              | WiGig dock (opt)<br>ThinkPad WiGig dock  |
|                   |   |            |              |                |                     |       |              | Monitor cable<br>HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter<br>(optional)<br>USB-C to VGA: Lenovo USB-C to VGA Adapter  |
|                   |   |            |              |                |                     |       |              | Camera (optional)<br>720p: HD720p resolution, fixed focus<br>IR & 720p: IR camera and HD720p camera (mutually exclusive with WiGig)  |
|                   |   |            |              |                |                     |       |              | Audio support<br>HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 /<br>dual array microphone, combo audio/microphone jack  |
|                   |   |            |              |                |                     |       |              | Keyboard<br>6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight<br>UltraNav™<br>TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad   |
|                   |   |            |              |                |                     |       |              | Security<br>Power-on password, hard disk password, supervisor password, security keyhole   |
|                   |   |            |              |                |                     |       |              | Security chip<br>Discrete TPM 2.0, TCG Certified   |
|                   |   |            |              |                |                     |       |              | vPro (optional)<br>Intel vPro Technology   |
|                   |   |            |              |                |                     |       |              | Fingerprint reader<br>Optional: Touch style match on chip fingerprint reader on the palm rest  |
|                   |   |            |              |                |                     |       |              | NFC (optional)<br>Near Field Communication   |
|                   |   |            |              |                |                     |       |              | Internal battery<br>Optional: Integrated Li-Polymer 4-cell (32Wh)  |
|                   |   |            |              |                |                     |       |              | External battery<br>Li-Polymer 3-cell (24Wh) or Li-Ion 6-cell (48Wh or 72Wh)   |
|                   |   |            |              |                |                     |       |              | Max battery life<br>(MobileMark® 2014)   |
|                   |   |            |              |                |                     |       |              | <i>Models</i>  |
|                   |   |            |              |                |                     |       |              | 4 + 3-cell   |
|                   |   |            |              |                |                     |       |              | 6-cell 48Wh  |
|                   |   |            |              |                |                     |       |              | 6-cell 72Wh  |
|                   |   |            |              |                |                     |       |              | 4 + 6-cell 48Wh  |
|                   |   |            |              |                |                     |       |              | 4 + 6-cell 72Wh  |
|                   |   |            |              |                |                     |       |              | 20.0 hr  |
|                   |   |            |              |                |                     |       |              | 26.8 hr  |
|                   |   |            |              |                |                     |       |              | AC adapter<br>65W AC adapter (slim tip), 65W USB Type-C AC adapter   |
|                   |   |            |              |                |                     |       |              | Preload<br>Windows® 7 Professional 64 preinstalled through downgrade rights in<br>Windows 10 Pro 64<br>• Lenovo Solution Center<br>• Lenovo PowerEngage<br>• ThinkVantage Product Recovery<br>• ThinkVantage System Update<br>• Adobe® Reader®<br>• Microsoft® Office preloaded;<br>purchase a product key to activate<br>• McAfee® LiveSafe™ (30-day trial) |
|                   |   |            |              |                |                     |       |              | Some: Windows 10 Home 64<br>Some: Windows 10 Pro 64<br>• Lenovo Companion<br>• Lenovo Setting<br>• Microsoft Office preloaded;<br>purchase a product key to activate   |
|                   |   |            |              |                |                     |       |              | Limited warranty<br>One of the following, configurable by model:<br>• 1-year depot repair service<br>• 3-year/1-yr battery depot repair service<br>• 3-year/1-yr battery limited onsite service  |
|                   |   |            |              |                |                     |       |              | Mil-Spec test<br>MIL-STD-810G military certification   |
|                   |   |            |              |                |                     |       |              | Environment<br>EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant   |

| Model      | Region | Processor | vPro | Graphics | Memory | Display                   | Multi-touch          | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Dock | Monitor Cable | Camera   | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal+ external) | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|----------|--------|---------------------------|----------------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------|---------------|----------|-----------|---------------------|------|----------|------------------------------|---------------|------------------|---------------|----------------|
| 20HB0004US | US     | i7-7500U  | No   | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 1TB 5400rpm                   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB000AUS | US     | i7-7500U  | No   | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB000WUS | US     | i7-7600U  | vPro | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB000XUS | US     | i5-7300U  | vPro | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB000YUS | US     | i5-7300U  | vPro | M520 2GB | 8GBx1  | 15.6" 4K (3840x2160) IPS  | None                 | 1TB 5400rpm                   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | IR &720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB0010US | US     | i5-7300U  | vPro | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB0011US | US     | i7-7600U  | vPro | M520 2GB | 8GBx2  | 15.6" FHD (1920x1080) IPS | None                 | 1TB SSD M.2 PCIe NVMe Opal2   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | IR &720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB0012US | US     | i7-7600U  | vPro | M520 2GB | 8GBx2  | 15.6" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | IR &720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB0013US | US     | i7-7600U  | vPro | M520 2GB | 8GBx1  | 15.6" 4K (3840x2160) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | IR &720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB0014US | US     | i5-7300U  | vPro | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB0015US | US     | i7-7500U  | No   | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB0016US | US     | i7-7600U  | vPro | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | 1TB SSD M.2 PCIe NVMe Opal2   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB0017US | US     | i5-7300U  | vPro | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 6-cell(72Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB0018US | US     | i5-7300U  | vPro | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB0019US | US     | i5-7300U  | vPro | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 1TB 5400rpm                   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB001AUS | US     | i5-7300U  | vPro | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 1TB SSD M.2 PCIe NVMe Opal2   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB001BUS | US     | i7-7600U  | vPro | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 1TB 5400rpm                   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB001CUS | US     | i7-7600U  | vPro | M520 2GB | 8GBx2  | 15.6" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | IR &720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB001DUS | US     | i5-7300U  | vPro | M520 2GB | 8GBx2  | 15.6" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | IR &720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB001EUS | US     | i7-7600U  | vPro | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 1TB SSD M.2 PCIe NVMe Opal2   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |

| Model      | Region | Processor | vPro | Graphics | Memory | Display                   | Multi-touch          | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Dock | Monitor Cable | Camera   | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal+ external) | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|----------|--------|---------------------------|----------------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------|---------------|----------|-----------|---------------------|------|----------|------------------------------|---------------|------------------|---------------|----------------|
| 20HB001FUS | US     | i5-7300U  | vPro | M520 2GB | 8GBx2  | 15.6" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | IR &720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB001GUS | US     | i7-7600U  | vPro | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB001HUS | US     | i5-7300U  | vPro | M520 2GB | 4GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB001JUS | US     | i5-7300U  | vPro | M520 2GB | 8GBx1  | 15.6" 4K (3840x2160) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | IR &720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB001KUS | US     | i7-7500U  | No   | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HB001NUS | US     | i5-7300U  | vPro | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 05/17          |
| 20HB001PUS | US     | i7-7500U  | No   | M520 2GB | 16GBx1 | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 05/17          |
| 20HB001QUS | US     | i7-7500U  | No   | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 05/17          |
| 20HB001RUS | US     | i5-7300U  | vPro | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 05/17          |
| 20HB001SUS | US     | i7-7500U  | No   | M520 2GB | 16GBx1 | 15.6" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | IR &720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 05/17          |
| 20HB001TUS | US     | i7-7500U  | No   | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 05/17          |
| 20HB001UUS | US     | i7-7500U  | No   | M520 2GB | 16GBx1 | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 05/17          |
| 20HB001VUS | US     | i7-7500U  | No   | M520 2GB | 16GBx1 | 15.6" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p     | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 05/17          |
| 20HB001XUS | US     | i7-7500U  | No   | M520 2GB | 16GBx1 | 15.6" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | IR &720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 65W           | Win10 Pro 64     | 3-year, Depot | 05/17          |

ThinkPad P51s - TopSeller - 20JY

Product Specifications Reference (PSREF)

| Model      | Region | Processor | vPro | Graphics | Memory | Display                   | Multi-touch | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Dock | Monitor Cable | Camera | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal+external) | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|----------|--------|---------------------------|-------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------|---------------|--------|-----------|---------------------|------|----------|-----------------------------|---------------|----------------------|---------------|----------------|
| 20JY0004US | US     | i7-6500U  | No   | M520 2GB | 8GBx2  | 15.6" FHD (1920x1080) IPS | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 65W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JY0005US | US     | i7-6500U  | No   | M520 2GB | 8GBx2  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 65W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JY0006US | US     | i7-6500U  | No   | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 65W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JY0007US | US     | i7-6500U  | No   | M520 2GB | 8GBx2  | 15.6" 4K (3840x2160) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 65W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JY0008US | US     | i7-6500U  | No   | M520 2GB | 8GBx2  | 15.6" 4K (3840x2160) IPS  | None        | 500GB 7200rpm                 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 65W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JY0009US | US     | i7-6500U  | No   | M520 2GB | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 7200rpm                 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 65W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JY000AUS | US     | i7-6500U  | No   | M520 2GB | 16GBx2 | 15.6" FHD (1920x1080) IPS | None        | 1TB SSD M.2 PCIe NVMe Opal2   | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 65W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JY000BUS | US     | i7-6500U  | No   | M520 2GB | 8GBx2  | 15.6" 4K (3840x2160) IPS  | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 65W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JY000CUS | US     | i7-6500U  | No   | M520 2GB | 16GBx2 | 15.6" FHD (1920x1080) IPS | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 65W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |



# ThinkPad P70 Platform Specifications

Product Specifications Reference (PSREF)

| Processor                           | 6th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v5 Family  |                 |              |                |                     |       |              | Smart card reader<br>ExpressCard<br>Media reader<br>Ports       | Optional: Smart card reader<br>One slot (ExpressCard/34)<br>4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card<br>Four USB 3.0 (one Always On), two USB Type-C / Thunderbolt 3, Mini DisplayPort, HDMI, Ethernet (RJ-45), Dock connector  |                               |                   |                 |                  |        |         |
|-------------------------------------|---|-----------------|--------------|----------------|---------------------|-------|--------------|---|---|-------------------------------|-------------------|-----------------|------------------|--------|---------|
|                                     | Processor Number  | # of Cores      | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types |   |   | Processor Graphics            |                   |                 |                  |        |         |
|                                     | i7-6700HQ   | 4               | 8            | 2.6 GHz        | 3.5 GHz             | 6MB   | DDR4-2133    |   |   | Intel HD Graphics 530         |                   |                 |                  |        |         |
|                                     | i7-6820HQ   |                 |              | 2.7 GHz        | 3.6 GHz             | 8MB   |              |   |   | Intel HD Graphics P530        |                   |                 |                  |        |         |
|                                     | E3-1505M v5   |                 |              | 2.8 GHz        | 3.7 GHz             | 8MB   |              |   |   | Intel Iris™ Pro Graphics P580 |                   |                 |                  |        |         |
| E3-1575M v5                         | 3 GHz   |                 |              | 3.9 GHz        |                     |       |              |   |   |                               |                   |                 |                  |        |         |
| Graphics                            | Intel HD Graphics 530, Intel HD Graphics P530, or Intel Iris™ Pro Graphics P580 in processor and NVIDIA Quadro® M600M (2GB memory), M3000M (4GB memory), M4000M (4GB memory), or M5000M (8GB memory); supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; supports five independent displays; Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable); 3840x2160@60Hz (Thunderbolt); 3840x2160@30Hz (HDMI) |                 |              |                |                     |       |              | Camera (optional)<br>Audio support                              | HD720p resolution, low light sensitive, fixed focus<br>HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack  |                               |                   |                 |                  |        |         |
| Chipset                             | Mobile Intel CM236 Chipset (Intel GL82CM236 PCH)  |                 |              |                |                     |       |              | Keyboard<br>UltraNav™   | 6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight<br>3-button TrackPoint® pointing device and 3-button crystal silk surface multi-touch touchpad   |                               |                   |                 |                  |        |         |
| Memory                              | 64GB max <sup>7</sup> / 2133MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets   |                 |              |                |                     |       |              | Security<br>Security chip<br>ThinkEngine                        | Power-on password, hard disk password, supervisor password, security keyhole<br>Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset<br>Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures  |                               |                   |                 |                  |        |         |
| Display                             | Some: 17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 72% gamut, 170° viewing angle<br>Some: 17.3" (439mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 90% gamut, 170° viewing angle   |                 |              |                |                     |       |              | vPro (optional)<br>Fingerprint reader<br>Color calibration      | Intel vPro Technology<br>Touch style fingerprint reader on the keyboard bezel<br>Optional: Pantone® color calibrator by X-Rite® color calibration sensor in palm rest   |                               |                   |                 |                  |        |         |
| Multi-touch (opt)<br>Pen (optional) | Capacitive-type multi-touch, supports 10-finger gesture, 270 nits<br>ThinkPad Pen Pro, active pen for multi-touch display   |                 |              |                |                     |       |              | Battery<br>Max battery life <sup>10</sup><br>(MobileMark® 2014) | Li-Ion 8-cell (96Wh)<br><table border="1"> <thead> <tr> <th>Mode</th> <th>Discrete Graphics</th> <th>Hybrid Graphics</th> </tr> </thead> <tbody> <tr> <td>Max battery life</td> <td>8.5 hr</td> <td>10.8 hr</td> </tr> </tbody> </table>  | Mode                          | Discrete Graphics | Hybrid Graphics | Max battery life | 8.5 hr | 10.8 hr |
| Mode                                | Discrete Graphics   | Hybrid Graphics |              |                |                     |       |              |   |   |                               |                   |                 |                  |        |         |
| Max battery life                    | 8.5 hr  | 10.8 hr         |              |                |                     |       |              |   |   |                               |                   |                 |                  |        |         |
| Storage                             | Up to 4 drives (two M.2 SSD and two HDD, one of which is in the optical bay)<br>Some: M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)<br>Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)<br>Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Shock Mounted Hard Drive, Active Protection System™   |                 |              |                |                     |       |              | AC adapter  | 170W or 230W AC adapter   |                               |                   |                 |                  |        |         |
| Optical (optional)                  | DVD burner, 9.5mm high, fixed, tray-in  |                 |              |                |                     |       |              | Preload   | Some: Genuine Windows® 7 Professional 64<br>Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64<br>• Lenovo Solution Center<br>• Lenovo SHAREit<br>• ThinkVantage Product Recovery<br>• Rescue and Recovery™<br>• ThinkVantage System Update<br>• Adobe® Reader®<br>• Microsoft® Office preloaded; purchase a product key to activate<br>• McAfee® LiveSafe™ (30-day trial)<br>For ISV certifications, please visit <a href="http://www.lenovo.com/support/ISV">www.lenovo.com/support/ISV</a> |                               |                   |                 |                  |        |         |
| Ethernet                            | Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)<br>vPro model: Intel Ethernet Connection I219-LM (Jacksonville)   |                 |              |                |                     |       |              | Limited warranty <sup>12</sup>                                  | One of the following, configurable by model:<br>• 3-year/1-yr battery depot repair service<br>• 3-year/1-yr battery limited onsite service <sup>24</sup><br>• 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)   |                               |                   |                 |                  |        |         |
| WLAN <sup>4</sup><br>Bluetooth™     | 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card<br>Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter   |                 |              |                |                     |       |              | Mil-Spec test   | MIL-STD-810G military certification   |                               |                   |                 |                  |        |         |
| WWAN (optional)                     | Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card   |                 |              |                |                     |       |              | Environment   | EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant  |                               |                   |                 |                  |        |         |
| SIM card                            | Micro-SIM card slot   |                 |              |                |                     |       |              |   |   |                               |                   |                 |                  |        |         |
| Dimensions <sup>3</sup>             | WxDxH: 16.38" x 10.85" x 1.18-1.35"; 416mm x 275.5mm x 29.9-34.2mm<br>WxDxH(Touch): 16.38" x 10.85" x 1.20-1.37"; 416mm x 275.5mm x 30.6-34.9mm   |                 |              |                |                     |       |              |   |   |                               |                   |                 |                  |        |         |
| Weight <sup>2</sup>                 | Non-touch model: starting at 7.3 lb (3.3kg);<br>Multi-touch model: starting at 8.1 lb (3.7kg)   |                 |              |                |                     |       |              |   |   |                               |                   |                 |                  |        |         |
| Case material                       | Display cover: Glass-Fiber + PPS;<br>Bottom: Magnesium/Aluminum   |                 |              |                |                     |       |              |   |   |                               |                   |                 |                  |        |         |

| Model      | Region | Processor        | vPro | Graphics   | Memory         | Display                   | Multi-touch | Pen  | Storage(HDD/SSD)              | RAID | Optical     | WLAN + Bluetooth           | WWAN | SIM Card | Smart Card Reader | Camera | Keyboard | Fingerprint Reader | Color Calibrator | Battery       | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|------------------|------|------------|----------------|---------------------------|-------------|------|-------------------------------|------|-------------|----------------------------|------|----------|-------------------|--------|----------|--------------------|------------------|---------------|---------------|----------------------|---------------|----------------|
| 20ER000FUS | US     | i7-6700HQ        | No   | M600M 2GB  | 8GBx1 non-ECC  | 17.3" FHD (1920x1080) IPS | None        | None | 500GB 7200rpm                 | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 10/15          |
| 20ER000GUS | US     | i7-6700HQ        | No   | M3000M 4GB | 8GBx1 non-ECC  | 17.3" FHD (1920x1080) IPS | None        | None | 500GB 7200rpm                 | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 230W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 10/15          |
| 20ER000HUS | US     | i7-6820HQ        | vPro | M600M 2GB  | 8GBx1 non-ECC  | 17.3" FHD (1920x1080) IPS | None        | None | 500GB 7200rpm                 | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 10/15          |
| 20ER000JUS | US     | i7-6820HQ        | vPro | M3000M 4GB | 8GBx1 non-ECC  | 17.3" FHD (1920x1080) IPS | None        | None | 500GB 7200rpm                 | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 230W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 10/15          |
| 20ER000LUS | US     | Xeon E3-1505M v5 | vPro | M600M 2GB  | 8GBx1 ECC      | 17.3" FHD (1920x1080) IPS | None        | None | 256GB SSD M.2 PCIe NVMe Opal2 | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20ER000MUS | US     | Xeon E3-1505M v5 | vPro | M3000M 4GB | 8GBx1 ECC      | 17.3" FHD (1920x1080) IPS | None        | None | 256GB SSD M.2 PCIe NVMe Opal2 | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 230W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20ER000NUS | US     | Xeon E3-1505M v5 | vPro | M3000M 4GB | 16GBx1 ECC     | 17.3" 4K (3840x2160) IPS  | None        | None | 512GB SSD M.2 PCIe NVMe       | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | Smart Card Reader | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 8-cell (96Wh) | 230W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20ER000RUS | US     | i7-6820HQ        | vPro | M3000M 4GB | 16GBx1 non-ECC | 17.3" 4K (3840x2160) IPS  | None        | None | 512GB SSD M.2 PCIe NVMe       | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | Smart Card Reader | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 8-cell (96Wh) | 230W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20ER000SUS | US     | i7-6820HQ        | vPro | M3000M 4GB | 8GBx1 non-ECC  | 17.3" FHD (1920x1080) IPS | None        | None | 256GB SSD M.2 Opal2           | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 230W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 10/15          |
| 20ER000TUS | US     | i7-6700HQ        | No   | M600M 2GB  | 8GBx1 non-ECC  | 17.3" FHD (1920x1080) IPS | None        | None | 1TB 5400rpm                   | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 10/15          |
| 20ER000UUS | US     | i7-6700HQ        | No   | M3000M 4GB | 16GBx1 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 256GB SSD M.2 Opal2           | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 230W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 10/15          |
| 20ER000VUS | US     | i7-6700HQ        | No   | M600M 2GB  | 8GBx1 non-ECC  | 17.3" FHD (1920x1080) IPS | None        | None | 500GB 7200rpm                 | No   | Blank Bezel | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 10/15          |
| 20ER000WUS | US     | i7-6820HQ        | vPro | M4000M 4GB | 16GBx1 non-ECC | 17.3" 4K (3840x2160) IPS  | None        | None | 512GB SSD M.2 PCIe NVMe       | No   | Blank Bezel | Intel 8260 ac, 2x2 + BT4.1 | None | None     | Smart Card Reader | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 8-cell (96Wh) | 230W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20ER000XUS | US     | Xeon E3-1505M v5 | vPro | M4000M 4GB | 16GBx1 ECC     | 17.3" 4K (3840x2160) IPS  | None        | None | 512GB SSD M.2 PCIe NVMe       | No   | Blank Bezel | Intel 8260 ac, 2x2 + BT4.1 | None | None     | Smart Card Reader | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 8-cell (96Wh) | 230W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 11/15          |
| 20ER000YUS | US     | i7-6820HQ        | vPro | M3000M 4GB | 8GBx1 non-ECC  | 17.3" FHD (1920x1080) IPS | None        | None | 1TB 5400rpm                   | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 230W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 10/15          |
| 20ER002FUS | US     | i7-6700HQ        | No   | M600M 2GB  | 8GBx1 non-ECC  | 17.3" FHD (1920x1080) IPS | None        | None | 500GB 7200rpm                 | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 8-cell (96Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 10/15          |
| 20ER002GUS | US     | Xeon E3-1505M v5 | vPro | M600M 2GB  | 16GBx1 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 256GB SSD M.2 Opal2           | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 10/15          |
| 20ER002HUS | US     | Xeon E3-1505M v5 | vPro | M3000M 4GB | 16GBx1 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 256GB SSD M.2 Opal2           | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 230W          | Win10 Pro 64         | 3-year, Depot | 10/15          |
| 20ER002JUS | US     | i7-6820HQ        | vPro | M3000M 4GB | 16GBx1 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 256GB SSD M.2 Opal2           | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 230W          | Win10 Pro 64         | 3-year, Depot | 10/15          |
| 20ER002KUS | US     | i7-6700HQ        | No   | M600M 2GB  | 16GBx1 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 500GB 7200rpm                 | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 170W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 10/15          |

| Model      | Region | Processor        | vPro | Graphics   | Memory         | Display                   | Multi-touch | Pen  | Storage(HDD/SSD)      | RAID | Optical     | WLAN + Bluetooth           | WWAN | SIM Card | Smart Card Reader | Camera | Keyboard | Fingerprint Reader | Color Calibrator | Battery       | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|------------------|------|------------|----------------|---------------------------|-------------|------|-----------------------|------|-------------|----------------------------|------|----------|-------------------|--------|----------|--------------------|------------------|---------------|---------------|----------------------|---------------|----------------|
| 20ER002LUS | US     | i7-6820HQ        | vPro | M3000M 4GB | 16GBx1 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 256GB SSD M.2 Opal2   | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 230W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 10/15          |
| 20ER002MUS | US     | Xeon E3-1505M v5 | vPro | M3000M 4GB | 16GBx1 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 256GB SSD M.2 Opal2   | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | None             | 8-cell (96Wh) | 230W          | Win10 DG Win7 Pro 64 | 3-year, Depot | 10/15          |
| 20ER002NUS | US     | i7-6700HQ        | No   | M600M 2GB  | 16GBx1 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 500GB 7200rpm         | No   | DVD±RW      | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 8-cell (96Wh) | 170W          | Win10 Pro 64         | 3-year, Depot | 10/15          |
| 20ER003KUS | US     | Xeon E3-1575M v5 | vPro | M3000M 4GB | 16GBx2 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 1TB SSD M.2 PCIe NVMe | No   | Blank Bezel | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None              | 720p   | Backlit  | Fingerprint Reader | X-Rite           | 8-cell (96Wh) | 230W          | Win10 Pro 64         | 3-year, Depot | 08/16          |





# ThinkPad P71 Platform Specifications

Product Specifications Reference (PSREF)

| Processor          | 7th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v6 Family   |                 |              |                |                     |                        |              | Dimensions                          | WxDxH: 16.38" x 10.85" x 1.18-1.35"; 416mm x 275.5mm x 29.9-34.2mm  |                            |  |      |                   |                 |                  |        |          |
|--------------------|--|-----------------|--------------|----------------|---------------------|------------------------|--------------|-------------------------------------|---|----------------------------|--|------|-------------------|-----------------|------------------|--------|----------|
|                    | Processor Number   | # of Cores      | # of Threads | Base Frequency | Max Turbo Frequency | Cache                  | Memory Types | Processor Graphics                  | Weight  | Starting at 7.3 lb (3.3kg) |  |      |                   |                 |                  |        |          |
|                    | i7-7700HQ  | 4               | 8            | 2.8 GHz        | 3.8 GHz             | 6MB                    | DDR4-2400    | Intel HD Graphics 630               | Case color  | Black                      |  |      |                   |                 |                  |        |          |
|                    | i7-7820HQ  |                 |              | 2.9 GHz        | 3.9 GHz             |                        |              | Case material                       | Display cover: Glass-Fiber + PPS;<br>Bottom: Magnesium/Aluminum   |                            |  |      |                   |                 |                  |        |          |
| E3-1505M v6        | 3.0 GHz  |                 |              | 4.0 GHz        | 8MB                 | Intel HD Graphics P630 |              | Smart card reader                   | Optional: Smart card reader   |                            |  |      |                   |                 |                  |        |          |
| E3-1535M v6        | 3.1 GHz  |                 |              | 4.2 GHz        |                     | ExpressCard            |              | One slot (ExpressCard/34)           |   |                            |  |      |                   |                 |                  |        |          |
| Graphics           | Intel HD Graphics 630 or P630 in processor and NVIDIA Quadro® M620 (2GB memory), M2200 (4GB memory), P3000 (6GB memory), P4000 (8GB memory), or P5000 (16GB memory); supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; supports four independent displays; Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable); 3840x2160@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI) |                 |              |                |                     |                        |              | Media reader                        | 4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card  |                            |  |      |                   |                 |                  |        |          |
| Chipset            | Mobile Intel CM238 Chipset   |                 |              |                |                     |                        |              | Ports                               | Four USB 3.1 Gen 1 (USB 3.0, one Always On), two USB Type-C / Thunderbolt 3, Mini DisplayPort 1.2a, HDMI 1.4b, Ethernet (RJ-45), Dock connector   |                            |  |      |                   |                 |                  |        |          |
| Memory             | 64GB max / 2400MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets   |                 |              |                |                     |                        |              | Monitor cable                       | Optional: Lenovo Mini-DisplayPort to DisplayPort Monitor Cable  |                            |  |      |                   |                 |                  |        |          |
| Display            | Some: 17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 72% gamut, 170° viewing angle<br>Some: 17.3" (439mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 90% gamut, 170° viewing angle  |                 |              |                |                     |                        |              | Camera (optional)                   | HD720p resolution, fixed focus  |                            |  |      |                   |                 |                  |        |          |
| Multi-touch        | None   |                 |              |                |                     |                        |              | Audio support                       | HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack   |                            |  |      |                   |                 |                  |        |          |
| Pen                | None   |                 |              |                |                     |                        |              | Keyboard                            | 6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight  |                            |  |      |                   |                 |                  |        |          |
| Storage            | Up to 4 drives (two M.2 SSD and two HDD, one of which is in the optical bay)<br>Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s<br>Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™  |                 |              |                |                     |                        |              | UltraNav™                           | 3-button TrackPoint® pointing device and 3-button Mylar surface multi-touch touchpad  |                            |  |      |                   |                 |                  |        |          |
| Optical (optional) | DVD burner, 9.5mm high, fixed, tray-in   |                 |              |                |                     |                        |              | Security                            | Power-on password, hard disk password, supervisor password, security keyhole  |                            |  |      |                   |                 |                  |        |          |
| Ethernet           | Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)<br>vPro model: Intel Ethernet Connection I219-LM (Jacksonville)  |                 |              |                |                     |                        |              | Security chip                       | Discrete TPM 2.0, TCG Certified   |                            |  |      |                   |                 |                  |        |          |
| WLAN               | Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card   |                 |              |                |                     |                        |              | vPro (optional)                     | Intel vPro Technology   |                            |  |      |                   |                 |                  |        |          |
| Bluetooth™         | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br>* Intel 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS   |                 |              |                |                     |                        |              | Fingerprint reader                  | Touch style match on chip fingerprint reader on the keyboard bezel  |                            |  |      |                   |                 |                  |        |          |
| WWAN (optional)    | One of the following, configurable by model:<br>• Wireless WAN upgradable<br>• Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card   |                 |              |                |                     |                        |              | Color calibration                   | Optional: Pantone® color calibrator by X-Rite® color calibration sensor in palm rest  |                            |  |      |                   |                 |                  |        |          |
| SIM card (opt)     | Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card   |                 |              |                |                     |                        |              | NFC                                 | None  |                            |  |      |                   |                 |                  |        |          |
|                    |  |                 |              |                |                     |                        |              | Battery                             | Li-Ion 8-cell (96Wh)  |                            |  |      |                   |                 |                  |        |          |
|                    |  |                 |              |                |                     |                        |              | Max battery life (MobileMark® 2014) | <table border="1"> <thead> <tr> <th>Mode</th> <th>Discrete Graphics</th> <th>Hybrid Graphics</th> </tr> </thead> <tbody> <tr> <td>Max battery life</td> <td>9.8 hr</td> <td>14.25 hr</td> </tr> </tbody> </table> |                            |  | Mode | Discrete Graphics | Hybrid Graphics | Max battery life | 9.8 hr | 14.25 hr |
| Mode               | Discrete Graphics  | Hybrid Graphics |              |                |                     |                        |              |                                     |   |                            |  |      |                   |                 |                  |        |          |
| Max battery life   | 9.8 hr   | 14.25 hr        |              |                |                     |                        |              |                                     |   |                            |  |      |                   |                 |                  |        |          |
|                    |  |                 |              |                |                     |                        |              | AC adapter                          | 170W or 230W AC adapter   |                            |  |      |                   |                 |                  |        |          |
|                    |  |                 |              |                |                     |                        |              | Preload                             | Some: Windows® 10 Home 64<br>Some: Windows 10 Pro 64<br>• Lenovo Companion<br>• Lenovo Setting<br>• Microsoft Office preloaded; purchase a product key to activate  |                            |  |      |                   |                 |                  |        |          |
|                    |  |                 |              |                |                     |                        |              | Limited warranty                    | One of the following, configurable by model:<br>• 1-year depot repair service<br>• 3-year/1-yr battery depot repair service<br>• 3-year/1-yr battery limited onsite service                                       |                            |  |      |                   |                 |                  |        |          |
|                    |  |                 |              |                |                     |                        |              | Mil-Spec test                       | MIL-STD-810G military certification   |                            |  |      |                   |                 |                  |        |          |
|                    |  |                 |              |                |                     |                        |              | Environment                         | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant   |                            |  |      |                   |                 |                  |        |          |

| Model      | Region | Processor        | vPro | Graphics   | Memory        | Display                   | Multi-touch | Pen  | Storage(HDD/SSD)              | RAID | Optical     | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Monitor Cable | Camera | Key-board | Color Calibrator | Finger-print Reader | NFC  | TPM      | Battery       | Power Adapter | OS           | Warranty      | Ann Date (m/y) |
|------------|--------|------------------|------|------------|---------------|---------------------------|-------------|------|-------------------------------|------|-------------|----------------------------|-----------------|----------|-------------------|---------------|--------|-----------|------------------|---------------------|------|----------|---------------|---------------|--------------|---------------|----------------|
| 20HK000VUS | US     | Xeon E3-1535M v6 | vPro | P3000 6GB  | 8GBx2 ECC     | 17.3" 4K (3840x2160) IPS  | None        | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | X-Rite           | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK000WUS | US     | Xeon E3-1505M v6 | vPro | P4000 8GB  | 16GBx2 ECC    | 17.3" FHD (1920x1080) IPS | None        | None | 1TB SSD M.2 PCIe NVMe Opal2   | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | Smart Card Reader | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK000XUS | US     | Xeon E3-1535M v6 | vPro | P5000 16GB | 16GBx1 ECC    | 17.3" 4K (3840x2160) IPS  | None        | None | 1TB SSD M.2 PCIe NVMe Opal2   | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | X-Rite           | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK000YUS | US     | Xeon E3-1535M v6 | vPro | P4000 8GB  | 8GBx2 ECC     | 17.3" 4K (3840x2160) IPS  | None        | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | X-Rite           | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK0010US | US     | Xeon E3-1535M v6 | vPro | P5000 16GB | 16GBx1 ECC    | 17.3" FHD (1920x1080) IPS | None        | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | Smart Card Reader | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK0011US | US     | i7-7700HQ        | No   | M620 2GB   | 8GBx1 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 1TB 5400rpm                   | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 170W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK0012US | US     | Xeon E3-1535M v6 | vPro | P4000 8GB  | 16GBx1 ECC    | 17.3" FHD (1920x1080) IPS | None        | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | Smart Card Reader | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK0013US | US     | i7-7700HQ        | No   | M620 2GB   | 8GBx1 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 500GB 7200rpm                 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 170W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK0014US | US     | Xeon E3-1505M v6 | vPro | P3000 6GB  | 8GBx2 ECC     | 17.3" FHD (1920x1080) IPS | None        | None | 1TB SSD M.2 PCIe NVMe Opal2   | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | Smart Card Reader | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK0015US | US     | Xeon E3-1505M v6 | vPro | M620 2GB   | 8GBx2 ECC     | 17.3" FHD (1920x1080) IPS | None        | None | 256GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | Smart Card Reader | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 170W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK0016US | US     | Xeon E3-1505M v6 | vPro | M620 2GB   | 8GBx1 ECC     | 17.3" FHD (1920x1080) IPS | None        | None | 256GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | Smart Card Reader | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 170W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK0017US | US     | i7-7820HQ        | vPro | M620 2GB   | 8GBx1 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 500GB 7200rpm                 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 170W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK0018US | US     | i7-7700HQ        | No   | M620 2GB   | 8GBx2 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | Smart Card Reader | None          | 720p   | Backlit   | X-Rite           | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 170W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK0019US | US     | Xeon E3-1505M v6 | vPro | P4000 8GB  | 8GBx2 ECC     | 17.3" FHD (1920x1080) IPS | None        | None | 1TB SSD M.2 PCIe NVMe Opal2   | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | Smart Card Reader | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK001AUS | US     | Xeon E3-1535M v6 | vPro | P3000 6GB  | 16GBx1 ECC    | 17.3" 4K (3840x2160) IPS  | None        | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | X-Rite           | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK001BUS | US     | Xeon E3-1505M v6 | vPro | P3000 6GB  | 8GBx2 ECC     | 17.3" FHD (1920x1080) IPS | None        | None | 256GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | Smart Card Reader | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK001CUS | US     | Xeon E3-1505M v6 | vPro | P3000 6GB  | 8GBx2 ECC     | 17.3" FHD (1920x1080) IPS | None        | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | Smart Card Reader | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK001DUS | US     | Xeon E3-1535M v6 | vPro | P3000 6GB  | 16GBx1 ECC    | 17.3" FHD (1920x1080) IPS | None        | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | Smart Card Reader | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK001EUS | US     | i7-7820HQ        | vPro | M620 2GB   | 8GBx1 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 1TB 5400rpm                   | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 170W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK001FUS | US     | Xeon E3-1535M v6 | vPro | P5000 16GB | 16GBx2 ECC    | 17.3" 4K (3840x2160) IPS  | None        | None | 1TB SSD M.2 PCIe NVMe Opal2   | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | X-Rite           | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 04/17          |

| Model      | Region | Processor        | vPro | Graphics   | Memory        | Display                   | Multi-touch | Pen  | Storage(HDD/SSD)              | RAID | Optical     | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Monitor Cable | Camera | Key-board | Color Calibrator | Finger-print Reader | NFC  | dTPM     | Battery       | Power Adapter | OS           | Warranty      | Ann Date (m/y) |
|------------|--------|------------------|------|------------|---------------|---------------------------|-------------|------|-------------------------------|------|-------------|----------------------------|-----------------|----------|-------------------|---------------|--------|-----------|------------------|---------------------|------|----------|---------------|---------------|--------------|---------------|----------------|
| 20HK001GUS | US     | i7-7700HQ        | No   | M620 2GB   | 8GBx2 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | Smart Card Reader | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 170W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK001HUS | US     | Xeon E3-1535M v6 | vPro | P5000 16GB | 8GBx2 ECC     | 17.3" 4K (3840x2160) IPS  | None        | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | X-Rite           | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK001JUS | US     | i7-7700HQ        | No   | M620 2GB   | 8GBx1 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 256GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | Smart Card Reader | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 170W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK001KUS | US     | i7-7820HQ        | vPro | M620 2GB   | 8GBx1 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 170W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK001LUS | US     | Xeon E3-1535M v6 | vPro | P4000 8GB  | 16GBx2 ECC    | 17.3" 4K (3840x2160) IPS  | None        | None | 1TB SSD M.2 PCIe NVMe Opal2   | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | X-Rite           | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK001MUS | US     | i7-7820HQ        | vPro | M620 2GB   | 8GBx1 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 256GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 170W          | Win10 Pro 64 | 3-year, Depot | 04/17          |
| 20HK001PUS | US     | Xeon E3-1505M v6 | vPro | P3000 6GB  | 8GBx2 non-ECC | 17.3" 4K (3840x2160) IPS  | None        | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | X-Rite           | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 05/17          |
| 20HK001QUS | US     | i7-7820HQ        | vPro | P3000 6GB  | 8GBx2 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 1TB SSD M.2 PCIe NVMe Opal2   | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 05/17          |
| 20HK001RUS | US     | i7-7820HQ        | vPro | P3000 6GB  | 8GBx2 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 05/17          |
| 20HK001SUS | US     | i7-7820HQ        | vPro | P3000 6GB  | 8GBx2 non-ECC | 17.3" 4K (3840x2160) IPS  | None        | None | 512GB SSD M.2 PCIe NVMe Opal2 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | X-Rite           | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 05/17          |
| 20HK001TUS | US     | i7-7820HQ        | vPro | P3000 6GB  | 8GBx2 non-ECC | 17.3" FHD (1920x1080) IPS | None        | None | 500GB 7200rpm                 | No   | Blank Bezel | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | None             | Finger-print Reader | None | dTPM 2.0 | 8-cell (96Wh) | 230W          | Win10 Pro 64 | 3-year, Depot | 05/17          |



# ThinkPad T470 Platform Specifications

Product Specifications Reference (PSREF)

| <b>Processor</b>   | <p>6th Generation Intel® Core™ i5 / i7 Processor (<i>i7-6500U is not available in EMEA</i>)</p> <table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>i5-6200U</td> <td rowspan="4">2</td> <td rowspan="4">4</td> <td>2.3 GHz</td> <td>2.8 GHz</td> <td>3MB</td> <td rowspan="4">DDR4-2133</td> <td rowspan="4">Intel HD Graphics 520</td> </tr> <tr> <td>i5-6300U</td> <td>2.4 GHz</td> <td>3.0 GHz</td> <td>3MB</td> </tr> <tr> <td>i7-6500U</td> <td>2.5 GHz</td> <td>3.1 GHz</td> <td>4MB</td> </tr> <tr> <td>i7-6600U</td> <td>2.6 GHz</td> <td>3.4 GHz</td> <td>4MB</td> </tr> </tbody> </table> <p>or 7th Generation Intel Core i3 / i5 / i7 Processor</p> <table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>i3-7100U</td> <td rowspan="5">2</td> <td rowspan="5">4</td> <td>2.4 GHz</td> <td>-</td> <td>3MB</td> <td rowspan="5">DDR4-2133</td> <td rowspan="5">Intel HD Graphics 620</td> </tr> <tr> <td>i5-7200U</td> <td>2.5 GHz</td> <td>3.1 GHz</td> <td>3MB</td> </tr> <tr> <td>i5-7300U</td> <td>2.6 GHz</td> <td>3.5 GHz</td> <td>3MB</td> </tr> <tr> <td>i7-7500U</td> <td>2.7 GHz</td> <td>3.5 GHz</td> <td>4MB</td> </tr> <tr> <td>i7-7600U</td> <td>2.8 GHz</td> <td>3.9 GHz</td> <td>4MB</td> </tr> </tbody> </table> | Processor Number   | # of Cores     | # of Threads        | Base Frequency  | Max Turbo Frequency | Cache                 | Memory Types    | Processor Graphics | i5-6200U          | 2      | 4       | 2.3 GHz | 2.8 GHz | 3MB     | DDR4-2133 | Intel HD Graphics 520 | i5-6300U | 2.4 GHz | 3.0 GHz | 3MB     | i7-6500U | 2.5 GHz | 3.1 GHz | 4MB | i7-6600U | 2.6 GHz | 3.4 GHz | 4MB | Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics | i3-7100U | 2 | 4 | 2.4 GHz | - | 3MB | DDR4-2133 | Intel HD Graphics 620 | i5-7200U | 2.5 GHz | 3.1 GHz | 3MB | i5-7300U | 2.6 GHz | 3.5 GHz | 3MB | i7-7500U | 2.7 GHz | 3.5 GHz | 4MB | i7-7600U | 2.8 GHz | 3.9 GHz | 4MB | <b>Dimensions</b><br><b>Weight</b> <table border="1"> <tr> <td><i>WxDxH:</i></td> <td colspan="2">13.25" x 9.15" x 0.79"; 336.6mm x 232.5mm x 19.95mm</td> </tr> <tr> <td><i>Models</i></td> <td>3-cell or 3 + 3-cell</td> <td>6-cell or 3 + 6-cell</td> </tr> <tr> <td><i>Magnesium</i></td> <td>3.49 lb / 1.58 kg</td> <td>3.92 lb / 1.78 kg</td> </tr> <tr> <td><i>PPS</i></td> <td>3.63 lb / 1.65 kg</td> <td>4.35 lb / 1.85 kg</td> </tr> </table> <b>Case color</b><br><b>Case material</b> <p>Black<br/> <i>Display cover:</i> Magnesium Hybrid or PPS;<br/> <i>Bottom:</i> Glass-Fiber Reinforced Plastic</p> | <i>WxDxH:</i> | 13.25" x 9.15" x 0.79"; 336.6mm x 232.5mm x 19.95mm |  | <i>Models</i> | 3-cell or 3 + 3-cell | 6-cell or 3 + 6-cell | <i>Magnesium</i> | 3.49 lb / 1.58 kg | 3.92 lb / 1.78 kg | <i>PPS</i> | 3.63 lb / 1.65 kg | 4.35 lb / 1.85 kg |
|--|--|--|----------------|---------------------|-----------------|---------------------|-----------------------|-----------------|--------------------|-------------------|--------|---------|---------|---------|---------|-----------|-----------------------|----------|---------|---------|---------|----------|---------|---------|-----|----------|---------|---------|-----|------------------|------------|--------------|----------------|---------------------|-------|--------------|--------------------|----------|---|---|---------|---|-----|-----------|-----------------------|----------|---------|---------|-----|----------|---------|---------|-----|----------|---------|---------|-----|----------|---------|---------|-----|---|---------------|---|--|---------------|----------------------|----------------------|------------------|-------------------|-------------------|------------|-------------------|-------------------|
| Processor Number   | # of Cores   | # of Threads   | Base Frequency | Max Turbo Frequency | Cache           | Memory Types        | Processor Graphics    |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| i5-6200U   | 2  | 4  | 2.3 GHz        | 2.8 GHz             | 3MB             | DDR4-2133           | Intel HD Graphics 520 |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| i5-6300U   |  |  | 2.4 GHz        | 3.0 GHz             | 3MB             |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| i7-6500U   |  |  | 2.5 GHz        | 3.1 GHz             | 4MB             |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| i7-6600U   |  |  | 2.6 GHz        | 3.4 GHz             | 4MB             |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| Processor Number   | # of Cores   | # of Threads   | Base Frequency | Max Turbo Frequency | Cache           | Memory Types        | Processor Graphics    |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| i3-7100U   | 2  | 4  | 2.4 GHz        | -                   | 3MB             | DDR4-2133           | Intel HD Graphics 620 |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| i5-7200U   |  |  | 2.5 GHz        | 3.1 GHz             | 3MB             |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| i5-7300U   |  |  | 2.6 GHz        | 3.5 GHz             | 3MB             |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| i7-7500U   |  |  | 2.7 GHz        | 3.5 GHz             | 4MB             |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| i7-7600U   |  |  | 2.8 GHz        | 3.9 GHz             | 4MB             |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| <i>WxDxH:</i>  | 13.25" x 9.15" x 0.79"; 336.6mm x 232.5mm x 19.95mm  |  |                |                     |                 |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| <i>Models</i>  | 3-cell or 3 + 3-cell   | 6-cell or 3 + 6-cell   |                |                     |                 |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| <i>Magnesium</i>   | 3.49 lb / 1.58 kg  | 3.92 lb / 1.78 kg  |                |                     |                 |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| <i>PPS</i>   | 3.63 lb / 1.65 kg  | 4.35 lb / 1.85 kg  |                |                     |                 |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| <b>Graphics</b>  | <p>Intel HD Graphics 520 or 620 in processor only, or Intel HD Graphics 620 in processor and NVIDIA GeForce® 940MX, 2GB 2.5GHz GDDR5 memory (discrete models are NOT available in EMEA); supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)</p>   | <b>Smart card reader</b><br><b>Media reader</b><br><b>Ports</b><br><b>WiGig dock (opt)</b><br><b>Monitor cable</b><br><b>Camera (optional)</b><br><b>Audio support</b> <p><i>Optional:</i> Smart card reader<br/>         4-in-1 reader (MMC, SD, SDHC, SDXC), supports SD 3.0, UHS-I<br/>         Three USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45), Dock connector<br/>         ThinkPad WiGig dock<br/> <i>Optional:</i> Lenovo USB-C to VGA Adapter<br/>         HD720p: HD720p resolution, fixed focus<br/> <i>IR &amp; 720p:</i> IR camera and HD720p camera (mutually exclusive with WiGig)<br/>         HD Audio, Realtek ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack</p> |                |                     |                 |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| <b>Chipset</b><br><b>Memory</b>                                      | <p>Intel SoC (System on Chip) platform<br/>         32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets<br/>         * System clocks down for processors with lower memory controller</p>  | <b>Keyboard</b><br><b>UltraNav™</b><br><b>Security</b><br><b>Security chip</b><br><b>vPro (optional)</b><br><b>Fingerprint reader</b><br><b>NFC (optional)</b> <p>6-row, spill-resistant, multimedia Fn keys, optional LED backlight<br/>         TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad<br/>         Power-on password, hard disk password, supervisor password, security keyhole<br/>         Discrete TPM 2.0, TCG Certified<br/>         Intel vPro Technology<br/> <i>Optional:</i> Touch style match on chip fingerprint reader on the keyboard bezel<br/>         Near Field Communication</p>   |                |                     |                 |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| <b>Display</b><br><b>Multi-touch (opt)</b>                           | <p><i>Some:</i> 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio<br/> <i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 or 500:1 contrast ratio<br/> <i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle</p> <p>On-cell touch, supports 10-finger gesture (FHD IPS panel with PPS cover only)</p>   | <b>Internal battery</b><br><b>External battery</b><br><b>Max battery life (MobileMark® 2014)</b> <table border="1"> <thead> <tr> <th><i>Models</i></th> <th>3-cell</th> <th>3 + 3-cell</th> <th>6-cell 48Wh</th> <th>6-cell 72Wh</th> <th>3 + 6-cell 48Wh</th> <th>3 + 6-cell 72Wh</th> </tr> </thead> <tbody> <tr> <td><i>Integrated</i></td> <td>6.9 hr</td> <td>13.9 hr</td> <td>13.9 hr</td> <td>20.9 hr</td> <td>20.9 hr</td> <td>27.1 hr</td> </tr> <tr> <td><i>Discrete</i></td> <td>6.9 hr</td> <td>13.9 hr</td> <td>14.3 hr</td> <td>21.6 hr</td> <td>21.2 hr</td> <td>28.6 hr</td> </tr> </tbody> </table>   | <i>Models</i>  | 3-cell              | 3 + 3-cell      | 6-cell 48Wh         | 6-cell 72Wh           | 3 + 6-cell 48Wh | 3 + 6-cell 72Wh    | <i>Integrated</i> | 6.9 hr | 13.9 hr | 13.9 hr | 20.9 hr | 20.9 hr | 27.1 hr   | <i>Discrete</i>       | 6.9 hr   | 13.9 hr | 14.3 hr | 21.6 hr | 21.2 hr  | 28.6 hr |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| <i>Models</i>  | 3-cell   | 3 + 3-cell   | 6-cell 48Wh    | 6-cell 72Wh         | 3 + 6-cell 48Wh | 3 + 6-cell 72Wh     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| <i>Integrated</i>  | 6.9 hr   | 13.9 hr  | 13.9 hr        | 20.9 hr             | 20.9 hr         | 27.1 hr             |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| <i>Discrete</i>  | 6.9 hr   | 13.9 hr  | 14.3 hr        | 21.6 hr             | 21.2 hr         | 28.6 hr             |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| <b>Storage</b><br><b>Optical</b>                                     | <p><i>System has one HDD slot or one M.2 2280 slot exclusively for storage</i><br/> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br/> <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)<br/> <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s<br/> <i>Some:</i> 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN and WiGig</p> <p>None</p>   | <b>AC adapter</b><br><b>Preload</b> <p>45W or 65W AC adapter (slim tip), 45W or 65W USB Type-C AC adapter</p> <p>Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64<br/>         • Lenovo Solution Center<br/>         • Lenovo PowerEngage<br/>         • ThinkVantage Product Recovery<br/>         • ThinkVantage System Update<br/>         • Adobe® Reader®<br/>         • Microsoft® Office preloaded; purchase a product key to activate<br/>         • McAfee® LiveSafe™ (30-day trial)</p> <p><i>Some:</i> Windows 10 Home 64<br/> <i>Some:</i> Windows 10 Pro 64<br/>         • Lenovo Companion<br/>         • Lenovo Setting<br/>         • Microsoft Office preloaded; purchase a product key to activate</p>                                    |                |                     |                 |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| <b>Ethernet</b><br><b>WLAN</b>                                       | <p><i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville)<br/> <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)</p> <p><i>One of the following, configurable by model (WiGig can coexist with WWAN):</i><br/>         • Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card<br/>         • Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card<br/>         • Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card<br/>         • Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</p>   | <b>Limited warranty</b><br><b>Mil-Spec test</b> <p><i>One of the following, configurable by model:</i><br/>         • 1-year depot repair service<br/>         • 3-year/1-yr battery depot repair service<br/>         • 3-year/1-yr battery limited onsite service</p> <p>MIL-STD-810G military certification</p>   |                |                     |                 |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |
| <b>Bluetooth™</b><br><b>WWAN (optional)</b><br><b>SIM card (opt)</b> | <p>Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br/>         * Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS</p> <p><i>One of the following, configurable by model (WWAN can coexist with WiGig):</i><br/>         • Wireless WAN upgradable<br/>         • Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card<br/>         • Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)</p> <p>Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card</p>   | <b>Environment</b> <p>EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant</p>  |                |                     |                 |                     |                       |                 |                    |                   |        |         |         |         |         |           |                       |          |         |         |         |          |         |         |     |          |         |         |     |                  |            |              |                |                     |       |              |                    |          |   |   |         |   |     |           |                       |          |         |         |     |          |         |         |     |          |         |         |     |          |         |         |     |   |               |   |  |               |                      |                      |                  |                   |                   |            |                   |                   |

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                 | Multi-touch          | Storage (HDD/SSD)             | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Dock | Monitor Cable | Case Material | Camera    | Key-board   | Finger-print Reader | NFC  | TPM      | Battery (internal-external) | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|-------------------------|----------------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------|---------------|---------------|-----------|-------------|---------------------|------|----------|-----------------------------|---------------|------------------|---------------|----------------|
| 20HD000QUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Non-backlit | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 1-year, Depot | 01/17          |
| 20HD000RUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 01/17          |
| 20HD000SUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 128GB SSD                     | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 01/17          |
| 20HD000TUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 14" HD (1366x768)       | None                 | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Non-backlit | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 1-year, Depot | 01/17          |
| 20HD000UUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 14" HD (1366x768)       | None                 | 128GB SSD                     | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 01/17          |
| 20HD000VUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 01/17          |
| 20HD000WUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 01/17          |
| 20HD000XUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 01/17          |
| 20HD004AUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 14" HD (1366x768)       | None                 | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Non-backlit | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 1-year, Depot | 03/17          |
| 20HD004BUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 180GB SSD Opal2               | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 03/17          |
| 20HD0056US | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Magnesium     | IR & 720p | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 04/17          |
| 20HD0057US | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Magnesium     | IR & 720p | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 04/17          |
| 20HD0058US | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 04/17          |
| 20HD005AUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 04/17          |
| 20HD005BUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | PPS           | 720p      | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 04/17          |
| 20HD005CUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | PPS           | 720p      | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 04/17          |
| 20HD005DUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | PPS           | 720p      | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 04/17          |
| 20HD005EUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GBx1 | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 04/17          |
| 20HD005FUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | IR & 720p | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 04/17          |
| 20HD005GUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GBx1 | 14" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro        | 3-year, Depot | 04/17          |

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                 | Multi-touch          | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Dock | Monitor Cable | Case Material | Camera    | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal+external) | Power Adapter | Operating System | War-ranty     | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|-------------------------|----------------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------|---------------|---------------|-----------|-----------|---------------------|------|----------|-----------------------------|---------------|------------------|---------------|----------------|
| 20HD0066US | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | IR & 720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HD0067US | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HD0068US | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HD0069US | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | IR & 720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HD006AUS | US     | i5-7300U  | vPro | Intel HD 620 | 16GBx1 | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | IR & 720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HD006BUS | US     | i5-7300U  | vPro | Intel HD 620 | 16GBx1 | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HD006FUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 08/17          |



ThinkPad T470 - TopSeller - 20JM

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                 | Multi-touch          | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Dock | Monitor Cable | Case Material | Camera | Key-board   | Finger-print Reader | NFC  | TPM      | Battery (internal+ external) | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|-------------------------|----------------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------|---------------|---------------|--------|-------------|---------------------|------|----------|------------------------------|---------------|----------------------|---------------|----------------|
| 20JM0009US | US     | i5-6300U  | vPro | Intel HD 520 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p   | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JM000AUS | US     | i7-6600U  | vPro | Intel HD 520 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p   | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JM000BUS | US     | i7-6500U  | No   | Intel HD 520 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p   | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JM000CUS | US     | i5-6200U  | No   | Intel HD 520 | 4GBx1  | 14" HD (1366x768)       | None                 | 500GB 7200rpm                 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p   | Non-backlit | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh)  | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20JM000EUS | US     | i5-6300U  | vPro | Intel HD 520 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p   | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JM000FUS | US     | i7-6600U  | vPro | Intel HD 520 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p   | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JM000GUS | US     | i7-6600U  | vPro | Intel HD 520 | 8GBx1  | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p   | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JM000HUS | US     | i5-6300U  | vPro | Intel HD 520 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | PPS           | 720p   | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JM000JUS | US     | i7-6600U  | vPro | Intel HD 520 | 8GBx1  | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | PPS           | 720p   | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JM000KUS | US     | i7-6600U  | vPro | Intel HD 520 | 8GBx1  | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | PPS           | 720p   | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JM000LUS | US     | i7-6600U  | vPro | Intel HD 520 | 16GBx1 | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p   | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JM000MUS | US     | i7-6600U  | vPro | Intel HD 520 | 16GBx1 | 14" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p   | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JM000QUS | US     | i5-6300U  | vPro | Intel HD 520 | 16GBx1 | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p   | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 07/17          |
| 20JM000RUS | US     | i5-6300U  | vPro | Intel HD 520 | 8GBx1  | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p   | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 07/17          |
| 20JM000SUS | US     | i5-6200U  | No   | Intel HD 520 | 8GBx1  | 14" HD (1366x768)       | None                 | 500GB 7200rpm                 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | PPS           | 720p   | Backlit     | Finger-print Reader | None | dTPM 2.0 | 3-cell(24Wh) + 3-cell(24Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 08/17          |



# ThinkPad T470p Platform Specifications

Product Specifications Reference (PSREF)

|                       |  |                   |                   |                |                     |           |                       |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
|-----------------------|--|-------------------|-------------------|----------------|---------------------|-----------|-----------------------|---|---|---------------|---------------|---------------|-------------------------|-------------------|-------------------|-----------------------|-------------------|-------------------|
| Processor             | 7th Generation Intel® Core™ i5 / i7 Processor  |                   |                   |                |                     |           |                       | Dimensions<br><i>FHD (WxDxH):</i> 13.35" x 9.25" x 0.94"; 339mm x 235mm x 24mm<br><i>WQHD (WxDxH):</i> 13.35" x 9.25" x 0.96"; 339mm x 235mm x 24.4mm |   |               |               |               |                         |                   |                   |                       |                   |                   |
|                       | Processor Number   | # of Cores        | # of Threads      | Base Frequency | Max Turbo Frequency | Cache     | Memory Types          |   | Weight<br><table border="1"> <tr> <td><i>Models</i></td> <td><i>3-cell</i></td> <td><i>6-cell</i></td> </tr> <tr> <td><i>Integrated model</i></td> <td>3.83 lb / 1.74 kg</td> <td>4.16 lb / 1.89 kg</td> </tr> <tr> <td><i>discrete model</i></td> <td>4.01 lb / 1.82 kg</td> <td>4.33 lb / 1.96 kg</td> </tr> </table> | <i>Models</i> | <i>3-cell</i> | <i>6-cell</i> | <i>Integrated model</i> | 3.83 lb / 1.74 kg | 4.16 lb / 1.89 kg | <i>discrete model</i> | 4.01 lb / 1.82 kg | 4.33 lb / 1.96 kg |
|                       | <i>Models</i>  | <i>3-cell</i>     | <i>6-cell</i>     |                |                     |           |                       |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
|                       | <i>Integrated model</i>  | 3.83 lb / 1.74 kg | 4.16 lb / 1.89 kg |                |                     |           |                       |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
| <i>discrete model</i> | 4.01 lb / 1.82 kg  | 4.33 lb / 1.96 kg |                   |                |                     |           |                       |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
| i5-7300HQ             | 4  | 4                 | 2.5 GHz           | 3.5 GHz        | 6MB                 | DDR4-2400 | Intel HD Graphics 630 |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
| i5-7440HQ             |  |                   | 2.8 GHz           | 3.8 GHz        | 6MB                 |           |                       |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
| i7-7700HQ             |  | 8                 | 2.8 GHz           | 3.8 GHz        | 6MB                 |           |                       |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
| i7-7820HQ             | 2.9 GHz  |                   | 3.9 GHz           | 8MB            |                     |           |                       |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
| Graphics              | Intel HD Graphics 630 in processor only, or Intel HD Graphics 630 in processor and NVIDIA GeForce® 940MX, 2GB 2.5GHz GDDR5 memory; supports external digital monitor via HDMI or Mini DisplayPort; supports three independent displays; Max resolution: 4096x2304@60Hz (DisplayPort via Mini DisplayPort cable); 4096x2160@24Hz (HDMI)   |                   |                   |                |                     |           |                       | Case color<br>Case material   |   |               |               |               |                         |                   |                   |                       |                   |                   |
| Chipset               | Mobile Intel QM175 Chipset   |                   |                   |                |                     |           |                       | Smart card reader   |   |               |               |               |                         |                   |                   |                       |                   |                   |
| Memory                | 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets  |                   |                   |                |                     |           |                       | Media reader  |   |               |               |               |                         |                   |                   |                       |                   |                   |
| Display               | <i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio, 160° viewing angle<br><i>Some:</i> 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle  |                   |                   |                |                     |           |                       | Ports   |   |               |               |               |                         |                   |                   |                       |                   |                   |
| Multi-touch (opt)     | On-cell touch, supports 10-finger gesture (FHD only)   |                   |                   |                |                     |           |                       | Monitor cable (optional)  |   |               |               |               |                         |                   |                   |                       |                   |                   |
| Storage               | <i>System has one HDD slot or one M.2 2280 slot exclusively for storage</i><br><i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Active Protection System™<br><i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)<br><i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s<br><i>Some:</i> 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN |                   |                   |                |                     |           |                       | Camera  |   |               |               |               |                         |                   |                   |                       |                   |                   |
| Optical               | None   |                   |                   |                |                     |           |                       | Audio support   |   |               |               |               |                         |                   |                   |                       |                   |                   |
| Ethernet              | <i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville)<br><i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)  |                   |                   |                |                     |           |                       | Keyboard  |   |               |               |               |                         |                   |                   |                       |                   |                   |
| WLAN                  | <i>One of the following, configurable by model:</i><br><ul style="list-style-type: none"> <li>Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> <li>Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> </ul>  |                   |                   |                |                     |           |                       | UltraNav™   |   |               |               |               |                         |                   |                   |                       |                   |                   |
| Bluetooth™            | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br>* Intel 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS   |                   |                   |                |                     |           |                       | Security  |   |               |               |               |                         |                   |                   |                       |                   |                   |
| WWAN (optional)       | <i>One of the following, configurable by model:</i><br><ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card</li> </ul>  |                   |                   |                |                     |           |                       | Security chip   |   |               |               |               |                         |                   |                   |                       |                   |                   |
| SIM card (opt)        | Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card   |                   |                   |                |                     |           |                       | vPro (optional)   |   |               |               |               |                         |                   |                   |                       |                   |                   |
|                       |  |                   |                   |                |                     |           | Fingerprint reader    |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
|                       |  |                   |                   |                |                     |           | NFC                   |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
|                       |  |                   |                   |                |                     |           | Battery               |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
|                       |  |                   |                   |                |                     |           | Max battery life      |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
|                       |  |                   |                   |                |                     |           | AC adapter            |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
|                       |  |                   |                   |                |                     |           | Preload               |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
|                       |  |                   |                   |                |                     |           | Limited warranty      |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
|                       |  |                   |                   |                |                     |           | Mil-Spec test         |   |   |               |               |               |                         |                   |                   |                       |                   |                   |
|                       |  |                   |                   |                |                     |           | Environment           |   |   |               |               |               |                         |                   |                   |                       |                   |                   |

| Model      | Region | Processor | vPro | Graphics     | Chipset     | Memory | Display                  | Multi-touch          | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Monitor Cable | Camera | Key-board | Finger-print Reader | NFC  | TPM      | Battery       | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|-------------|--------|--------------------------|----------------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|---------------|--------|-----------|---------------------|------|----------|---------------|---------------|------------------|---------------|----------------|
| 20J6001BUS | US     | i5-7440HQ | vPro | 940MX 2GB    | Intel QM175 | 8GBx1  | 14" FHD (1920x1080) IPS  | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 135W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20J6001CUS | US     | i5-7440HQ | vPro | 940MX 2GB    | Intel QM175 | 8GBx1  | 14" FHD (1920x1080) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 135W          | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20J6001DUS | US     | i5-7440HQ | vPro | Intel HD 630 | Intel QM175 | 4GBx2  | 14" FHD (1920x1080) IPS  | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (24Wh) | 90W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20J6001EUS | US     | i5-7440HQ | vPro | 940MX 2GB    | Intel QM175 | 8GBx1  | 14" FHD (1920x1080) IPS  | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 135W          | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20J6001FUS | US     | i5-7440HQ | vPro | Intel HD 630 | Intel QM175 | 4GBx2  | 14" FHD (1920x1080) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 90W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20J6001GUS | US     | i5-7440HQ | vPro | Intel HD 630 | Intel QM175 | 4GBx2  | 14" FHD (1920x1080) IPS  | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 90W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20J6001HUS | US     | i5-7440HQ | vPro | Intel HD 630 | Intel QM175 | 4GBx2  | 14" FHD (1920x1080) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (24Wh) | 90W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20J6001JUS | US     | i5-7440HQ | vPro | 940MX 2GB    | Intel QM175 | 4GBx2  | 14" FHD (1920x1080) IPS  | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 135W          | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20J6003JUS | US     | i7-7820HQ | vPro | 940MX 2GB    | Intel QM175 | 16GBx1 | 14" WQHD (2560x1440) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 135W          | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20J6003KUS | US     | i7-7820HQ | vPro | 940MX 2GB    | Intel QM175 | 16GBx1 | 14" FHD (1920x1080) IPS  | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 135W          | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20J6003LUS | US     | i7-7820HQ | vPro | 940MX 2GB    | Intel QM175 | 8GBx1  | 14" FHD (1920x1080) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 135W          | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20J6003MUS | US     | i5-7440HQ | vPro | Intel HD 630 | Intel QM175 | 8GBx1  | 14" FHD (1920x1080) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 90W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20J6003NUS | US     | i5-7440HQ | vPro | Intel HD 630 | Intel QM175 | 8GBx1  | 14" FHD (1920x1080) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 90W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20J6003PUS | US     | i7-7820HQ | vPro | 940MX 2GB    | Intel QM175 | 8GBx1  | 14" FHD (1920x1080) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 135W          | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20J6003UUS | US     | i7-7820HQ | vPro | 940MX 2GB    | Intel QM175 | 8GBx1  | 14" FHD (1920x1080) IPS  | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 135W          | Win10 Pro 64     | 3-year, Depot | 06/17          |
| 20J6003VUS | US     | i7-7820HQ | vPro | 940MX 2GB    | Intel QM175 | 8GBx1  | 14" FHD (1920x1080) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 135W          | Win10 Pro 64     | 3-year, Depot | 06/17          |
| 20J6003WUS | US     | i5-7440HQ | vPro | Intel HD 630 | Intel QM175 | 8GBx1  | 14" FHD (1920x1080) IPS  | None                 | 180GB SSD Opal2               | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 90W           | Win10 Pro 64     | 3-year, Depot | 06/17          |
| 20J6003XUS | US     | i7-7820HQ | vPro | 940MX 2GB    | Intel QM175 | 16GBx1 | 14" FHD (1920x1080) IPS  | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 6-cell (48Wh) | 135W          | Win10 Pro 64     | 3-year, Depot | 06/17          |
| 20J6003YUS | US     | i5-7440HQ | vPro | Intel HD 630 | Intel QM175 | 8GBx1  | 14" FHD (1920x1080) IPS  | None                 | 180GB SSD Opal2               | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (24Wh) | 90W           | Win10 Pro 64     | 3-year, Depot | 06/17          |



# ThinkPad T470s Platform Specifications

Product Specifications Reference (PSREF)

|  |  |            |              |                |                     |       |              |                       |  |  |
|--|--|------------|--------------|----------------|---------------------|-------|--------------|-----------------------|--|--|
| Processor                                      | 6th Generation Intel® Core™ i5 / i7 Processor  |            |              |                |                     |       |              |                       | Dimensions<br>Weight<br>Case color<br>Case material  | <i>WxDxH:</i> 13.03" x 8.93" x 0.67-0.74"; 331mm x 226.8mm x 16.9-18.8mm<br>Starting at 2.9 lb (1.32kg)<br>Black or Silver<br><i>Display cover:</i> CFRP Hybrid;<br><i>Bottom:</i> Magnesium   |
|  | Processor Number   | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics    |  |  |
|  | i5-6200U   | 2          | 4            | 2.3 GHz        | 2.8 GHz             | 3MB   | DDR4-2133    | Intel HD Graphics 520 |  |  |
|  | i5-6300U   |            |              | 2.4 GHz        | 3.0 GHz             | 3MB   |              |                       |  |  |
| i7-6600U                                       | 2.6 GHz  |            |              | 3.4 GHz        | 4MB                 |       |              |                       |  |  |
| or 7th Generation Intel Core i5 / i7 Processor |  |            |              |                |                     |       |              |                       |  |  |
| Processor                                      | Processor Number   | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics    | Smart card reader <i>Optional:</i> Smart card reader<br>Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Ports Three USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45), Dock connector<br>WiGig dock <i>(opt)</i> ThinkPad WiGig dock, mutually exclusive with WWAN<br>Monitor cable <i>(optional)</i> <i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter<br><i>USB-C to VGA:</i> Lenovo USB-C to VGA Adapter<br>Camera <i>(optional)</i> HD720p resolution, fixed focus (models without camera are unavailable in EMEA)<br>Audio support HD Audio, Realtek® ALC3268 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack |  |
|  | i5-7200U   | 2          | 4            | 2.5 GHz        | 3.1 GHz             | 3MB   | DDR4-2133    | Intel HD Graphics 620 |  |  |
|  | i5-7300U   |            |              | 2.6 GHz        | 3.5 GHz             | 3MB   |              |                       |  |  |
|  | i7-7500U   |            |              | 2.7 GHz        | 3.5 GHz             | 4MB   |              |                       |  |  |
| i7-7600U                                       | 2.8 GHz  |            |              | 3.9 GHz        | 4MB                 |       |              |                       |  |  |
| Graphics                                       | Intel HD Graphics 520 or 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)   |            |              |                |                     |       |              |                       | Keyboard<br>UltraNav™  | 6-row, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad  |
| Chipset  | Intel SoC (System on Chip) platform  |            |              |                |                     |       |              |                       | Security   | Power-on password, hard disk password, supervisor password, security keyhole   |
| Memory   | 20GB or 24GB max <sup>7</sup> / 2400MHz DDR4, dual-channel capable, 4GB or 8GB memory soldered to systemboard, one DDR4 SO-DIMM socket<br>* System clocks down for processors with lower memory controller   |            |              |                |                     |       |              |                       | Security chip<br><i>vPro (optional)</i>  | Discrete TPM 2.0, TCG Certified<br>Intel vPro Technology   |
| Display  | <i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle<br><i>Some:</i> 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle  |            |              |                |                     |       |              |                       | Fingerprint reader<br><i>(optional)</i>  | <i>Optional:</i> Touch style match on chip fingerprint reader on the palm rest   |
| Multi-touch <i>(opt)</i>                       | On-cell touch, supports 10-finger gesture, 250 nits (FHD only)   |            |              |                |                     |       |              |                       | NFC <i>(optional)</i>  | Near Field Communication   |
| Storage  | <i>Some:</i> M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)<br><i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)  |            |              |                |                     |       |              |                       | Internal battery   | Front Li-Polymer 3-cell (23Wh) and rear Li-Ion 3-cell (26Wh), both Integrated  |
| Optical  | None   |            |              |                |                     |       |              |                       | Max battery life   | <i>MobileMark® 2014:</i> up to 10.5 hr   |
| Ethernet                                       | <i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville)<br><i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)  |            |              |                |                     |       |              |                       | AC adapter   | 45W AC adapter (slim tip), 45W or 65W USB Type-C AC adapter  |
| WLAN   | <i>One of the following, configurable by model (WiGig is mutually exclusive with WWAN):</i><br>• Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card<br>• Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card<br>• Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card |            |              |                |                     |       |              |                       | Preload  | Windows® 7 Professional 64 preinstalled through downgrade rights in<br>Windows 10 Pro 64<br>• Lenovo Solution Center<br>• Lenovo PowerEngage<br>• ThinkVantage Product Recovery<br>• ThinkVantage System Update<br>• Adobe® Reader®<br>• Microsoft® Office preloaded; purchase a product key to activate<br>• McAfee® LiveSafe™ (30-day trial) |
| Bluetooth™                                     | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br>* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS   |            |              |                |                     |       |              |                       | Limited warranty   | <i>One of the following, configurable by model:</i><br>• 1-year depot repair service<br>• 3-year/1-yr battery depot repair service<br>• 3-year/1-yr battery limited onsite service   |
| WWAN <i>(optional)</i>                         | <i>One of the following, configurable by model (mutually exclusive with WiGig):</i><br>• Wireless WAN upgradable<br>• Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card  |            |              |                |                     |       |              |                       | Mil-Spec test  | MIL-STD-810G military certification  |
| SIM card <i>(opt)</i>                          | • Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card   |            |              |                |                     |       |              |                       | Environment  | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant  |



| Model      | Region | Processor | vPro | Graphics     | Memory (Soldered +DIMM) | Display                  | Multi-touch          | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Dock | Monitor Cable | Color  | Camera | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal)          | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|-------------------------|--------------------------|----------------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------|---------------|--------|--------|-----------|---------------------|------|----------|-----------------------------|---------------|------------------|---------------|----------------|
| 20HF0010US | US     | i7-7600U  | vPro | Intel HD 620 | 4GB + 8GB               | 14" WQHD (2560x1440) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HF0011US | US     | i5-7300U  | vPro | Intel HD 620 | 4GB + 4GB               | 14" FHD (1920x1080) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HF0012US | US     | i5-7300U  | vPro | Intel HD 620 | 4GB + 4GB               | 14" FHD (1920x1080) IPS  | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HF0013US | US     | i7-7600U  | vPro | Intel HD 620 | 4GB + 4GB               | 14" FHD (1920x1080) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HF0014US | US     | i5-7200U  | No   | Intel HD 620 | 4GB Soldered            | 14" FHD (1920x1080) IPS  | None                 | 128GB SSD M.2                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 02/17          |
| 20HF0015US | US     | i7-7600U  | vPro | Intel HD 620 | 4GB + 4GB               | 14" FHD (1920x1080) IPS  | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HF001DUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB + 16GB              | 14" FHD (1920x1080) IPS  | None                 | 1TB SSD M.2 PCIe NVMe Opal2   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20HF003QUS | US     | i7-7600U  | vPro | Intel HD 620 | 4GB + 8GB               | 14" WQHD (2560x1440) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HF003RUS | US     | i5-7200U  | No   | Intel HD 620 | 4GB + 4GB               | 14" WQHD (2560x1440) IPS | None                 | 180GB SSD M.2 Opal2           | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HF003SUS | US     | i5-7200U  | No   | Intel HD 620 | 4GB + 4GB               | 14" WQHD (2560x1440) IPS | None                 | 180GB SSD M.2 Opal2           | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HF003TUS | US     | i7-7600U  | vPro | Intel HD 620 | 4GB + 4GB               | 14" FHD (1920x1080) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HF003UUS | US     | i5-7300U  | vPro | Intel HD 620 | 4GB + 4GB               | 14" FHD (1920x1080) IPS  | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HF003VUS | US     | i5-7200U  | No   | Intel HD 620 | 4GB Soldered            | 14" FHD (1920x1080) IPS  | None                 | 128GB SSD M.2                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 02/17          |
| 20HF003WUS | US     | i5-7300U  | vPro | Intel HD 620 | 4GB + 4GB               | 14" FHD (1920x1080) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HF0044US | US     | i7-7600U  | vPro | Intel HD 620 | 8GB + 8GB               | 14" FHD (1920x1080) IPS  | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HF005GUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GB Soldered            | 14" FHD (1920x1080) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20HF005HUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB Soldered            | 14" FHD (1920x1080) IPS  | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20HF005JUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB Soldered            | 14" FHD (1920x1080) IPS  | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20HF005KUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB + 16GB              | 14" FHD (1920x1080) IPS  | 10-point Multi-touch | 1TB SSD M.2 PCIe NVMe Opal2   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20HF005LUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB + 16GB              | 14" FHD (1920x1080) IPS  | 10-point Multi-touch | 1TB SSD M.2 PCIe NVMe Opal2   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |

| Model      | Region | Processor | vPro | Graphics     | Memory (Soldered +DIMM) | Display                  | Multi-touch          | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Dock | Monitor Cable | Color | Camera | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal)          | Power Adapter | Operating System | War-ranty     | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|-------------------------|--------------------------|----------------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------|---------------|-------|--------|-----------|---------------------|------|----------|-----------------------------|---------------|------------------|---------------|----------------|
| 20HF005MUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB + 16GB              | 14" WQHD (2560x1440) IPS | None                 | 1TB SSD M.2 PCIe NVMe Opal2   | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20HF005NUS | US     | i5-7200U  | No   | Intel HD 620 | 4GB Soldered            | 14" FHD (1920x1080) IPS  | None                 | 180GB SSD M.2 Opal2           | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 1-year, Depot | 04/17          |
| 20HF0063US | US     | i5-7300U  | vPro | Intel HD 620 | 8GB Soldered            | 14" FHD (1920x1080) IPS  | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 06/17          |
| 20HF0064US | US     | i5-7300U  | vPro | Intel HD 620 | 8GB + 8GB               | 14" FHD (1920x1080) IPS  | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HF0065US | US     | i7-7600U  | vPro | Intel HD 620 | 8GB + 8GB               | 14" FHD (1920x1080) IPS  | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HF0066US | US     | i5-7300U  | vPro | Intel HD 620 | 8GB + 8GB               | 14" FHD (1920x1080) IPS  | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 07/17          |



| Model      | Region | Processor | vPro | Graphics     | Memory (Soldered +DIMM) | Display                 | Multi-touch          | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Dock | Monitor Cable | Color | Camera | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal)          | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|-------------------------|-------------------------|----------------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------|---------------|-------|--------|-----------|---------------------|------|----------|-----------------------------|---------------|----------------------|---------------|----------------|
| 20JS0004US | US     | i7-6600U  | vPro | Intel HD 520 | 4GB + 4GB               | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JS000MUS | US     | i7-6600U  | vPro | Intel HD 520 | 4GB + 4GB               | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 06/17          |
| 20JS0014US | US     | i5-6300U  | vPro | Intel HD 520 | 4GB Soldered            | 14" FHD (1920x1080) IPS | None                 | 128GB SSD M.2                 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20JS0015US | US     | i5-6300U  | vPro | Intel HD 520 | 4GB + 4GB               | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JS0016US | US     | i5-6300U  | vPro | Intel HD 520 | 4GB Soldered            | 14" FHD (1920x1080) IPS | None                 | 180GB SSD M.2 Opal2           | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | Smart Card Reader | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20JS0017US | US     | i5-6300U  | vPro | Intel HD 520 | 4GB + 4GB               | 14" FHD (1920x1080) IPS | None                 | 180GB SSD M.2 Opal2           | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | Smart Card Reader | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JS0018US | US     | i5-6300U  | vPro | Intel HD 520 | 4GB Soldered            | 14" FHD (1920x1080) IPS | None                 | 180GB SSD M.2 Opal2           | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 1-year, Depot | 03/17          |
| 20JS0019US | US     | i5-6300U  | vPro | Intel HD 520 | 4GB + 4GB               | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JS001AUS | US     | i7-6600U  | vPro | Intel HD 520 | 4GB + 4GB               | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JS001BUS | US     | i7-6600U  | vPro | Intel HD 520 | 4GB + 4GB               | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JS001CUS | US     | i7-6600U  | vPro | Intel HD 520 | 4GB + 16GB              | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 1TB SSD M.2 PCIe NVMe Opal2   | None    | Intel 8260 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JS001DUS | US     | i7-6600U  | vPro | Intel HD 520 | 4GB + 16GB              | 14" FHD (1920x1080) IPS | None                 | 1TB SSD M.2 PCIe NVMe Opal2   | None    | Intel 8260 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JS001GUS | US     | i5-6300U  | vPro | Intel HD 520 | 4GB + 4GB               | 14" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 06/17          |
| 20JS001HUS | US     | i5-6300U  | vPro | Intel HD 520 | 4GB + 8GB               | 14" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 07/17          |
| 20JS001JUS | US     | i7-6600U  | vPro | Intel HD 520 | 4GB + 8GB               | 14" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 07/17          |
| 20JS001KUS | US     | i7-6600U  | vPro | Intel HD 520 | 4GB + 8GB               | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 07/17          |
| 20JS001LUS | US     | i5-6300U  | vPro | Intel HD 520 | 4GB + 8GB               | 14" FHD (1920x1080) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(26Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 07/17          |



# ThinkPad T570 Platform Specifications

Product Specifications Reference (PSREF)

| Processor         | 6th Generation Intel® Core™ i5 / i7 Processor   |              |                |                     |                     |              |                    | Dimensions<br>Weight<br>Case color<br>Case material               | <i>WxDxH:</i> 14.40" x 9.95" x 0.79-0.80"; 365.8mm x 252.8mm x 19.95-20.2mm<br>Starting at 4.34 lb / 1.97 kg<br>Black<br><i>Display cover:</i> Glass-Fiber Reinforced Plastic (PPS);<br><i>Bottom:</i> Glass-Fiber Reinforced Plastic  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
|-------------------|---|--------------|----------------|---------------------|---------------------|--------------|--------------------|---|--|--------------------|------------|-------------|-------------|-----------------|-----------------|-------------------|---------|---------|---------|---------|---------|-----------------|---------|---------|---------|---------|---------|
|                   | Processor Number  | # of Cores   | # of Threads   | Base Frequency      | Max Turbo Frequency | Cache        | Memory Types       |   |  | Processor Graphics |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
|                   | i5-6200U  | 2            | 4              | 2.3 GHz             | 2.8 GHz             | 3MB          | DDR4-2133          | Intel HD Graphics 520   |  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
|                   | i5-6300U  |              |                | 2.4 GHz             | 3.0 GHz             | 3MB          |                    |   |  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
|                   | i7-6600U  |              |                | 2.6 GHz             | 3.4 GHz             | 4MB          |                    |   |  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
|                   | or 7th Generation Intel Core i5 / i7 Processor  |              |                |                     |                     |              |                    | Smart card reader<br>Media reader<br>Ports                        | <i>Optional:</i> Smart card reader<br>4-in-1 reader (MMC, SD, SDHC, SDXC), supports SD 3.0, UHS-I<br>Three USB 3.1 Gen 1 (USB 3.0, one Always On),<br>USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45),<br>Dock connector<br>ThinkPad WiGig dock (US only)<br><i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter<br><i>USB-C to VGA:</i> Lenovo USB-C to VGA Adapter  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
| Processor Number  | # of Cores  | # of Threads | Base Frequency | Max Turbo Frequency | Cache               | Memory Types | Processor Graphics |   |  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
|                   | i5-7200U  | 2            | 4              | 2.5 GHz             | 3.1 GHz             | 3MB          | DDR4-2133          | Intel HD Graphics 620   |  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
|                   | i5-7300U  |              |                | 2.6 GHz             | 3.5 GHz             | 3MB          |                    |   |  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
|                   | i7-7500U  |              |                | 2.7 GHz             | 3.5 GHz             | 4MB          |                    |   |  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
|                   | i7-7600U  |              |                | 2.8 GHz             | 3.9 GHz             | 4MB          |                    |   |  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
| Graphics          | Intel HD Graphics 520 or 620 in processor only, or Intel HD Graphics 520 or 620 in processor and NVIDIA GeForce® 940MX, 2GB 2.5GHz GDDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)  |              |                |                     |                     |              |                    | WiGig dock (opt)<br>Monitor cable (optional)<br>Camera (optional) | 720p: HD720p resolution, fixed focus<br>IR & 720p: IR camera and HD720p camera (mutually exclusive with WiGig)<br>HD Audio, Realtek ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack   |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
| Chipset           | Intel SoC (System on Chip) platform   |              |                |                     |                     |              |                    | Keyboard  | 6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight   |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
| Memory            | 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets<br>* System clocks down for processors with lower memory controller   |              |                |                     |                     |              |                    | UltraNav™   | TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
| Display           | <i>Some:</i> 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio<br><i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle<br><i>Some:</i> 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 72% gamut, 170° viewing angle                             |              |                |                     |                     |              |                    | Security  | Power-on password, hard disk password, supervisor password, security keyhole   |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
| Multi-touch (opt) | On-cell touch, supports 10-finger gesture (FHD only)  |              |                |                     |                     |              |                    | Security chip   | Discrete TPM 2.0, TCG Certified  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
| Storage           | <i>System has one HDD slot or one M.2 2280 slot exclusively for storage</i><br><i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)<br><i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s<br><i>Some:</i> 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN and WiGig   |              |                |                     |                     |              |                    | vPro (optional)   | Intel vPro Technology  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
| Optical           | None  |              |                |                     |                     |              |                    | Fingerprint reader  | <i>Optional:</i> Touch style match on chip fingerprint reader on the palm rest<br>Near Field Communication   |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
| Ethernet          | <i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville)<br><i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)   |              |                |                     |                     |              |                    | Internal battery  | <i>Optional:</i> Integrated Li-Polymer 4-cell (32Wh)   |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
| WLAN              | <i>One of the following, configurable by model (WiGig can coexist with WWAN):</i> <ul style="list-style-type: none"> <li>Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card (US only)</li> <li>Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> <li>Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> <li>Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> </ul> |              |                |                     |                     |              |                    | External battery  | Li-Polymer 3-cell (24Wh) or Li-Ion 6-cell (48Wh or 72Wh)   |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
| Bluetooth™        | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br>* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS  |              |                |                     |                     |              |                    | Max battery life (MobileMark® 2014)                               | <table border="1"> <thead> <tr> <th>Models</th> <th>4 + 3-cell</th> <th>6-cell 48Wh</th> <th>6-cell 72Wh</th> <th>4 + 6-cell 48Wh</th> <th>4 + 6-cell 72Wh</th> </tr> </thead> <tbody> <tr> <td><i>Integrated</i></td> <td>13.8 hr</td> <td>12.5 hr</td> <td>18.5 hr</td> <td>20.3 hr</td> <td>27.1 hr</td> </tr> <tr> <td><i>discrete</i></td> <td>13.8 hr</td> <td>12.5 hr</td> <td>18.5 hr</td> <td>20.0 hr</td> <td>26.8 hr</td> </tr> </tbody> </table> | Models             | 4 + 3-cell | 6-cell 48Wh | 6-cell 72Wh | 4 + 6-cell 48Wh | 4 + 6-cell 72Wh | <i>Integrated</i> | 13.8 hr | 12.5 hr | 18.5 hr | 20.3 hr | 27.1 hr | <i>discrete</i> | 13.8 hr | 12.5 hr | 18.5 hr | 20.0 hr | 26.8 hr |
| Models            | 4 + 3-cell  | 6-cell 48Wh  | 6-cell 72Wh    | 4 + 6-cell 48Wh     | 4 + 6-cell 72Wh     |              |                    |   |  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
| <i>Integrated</i> | 13.8 hr   | 12.5 hr      | 18.5 hr        | 20.3 hr             | 27.1 hr             |              |                    |   |  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
| <i>discrete</i>   | 13.8 hr   | 12.5 hr      | 18.5 hr        | 20.0 hr             | 26.8 hr             |              |                    |   |  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
| WWAN (optional)   | <i>One of the following, configurable by model (WWAN can coexist with WiGig):</i> <ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card</li> <li>Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)</li> </ul>  |              |                |                     |                     |              |                    | AC adapter  | 45W or 65W AC adapter (slim tip), 45W or 65W USB Type-C AC adapter   |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
| SIM card (opt)    | Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card  |              |                |                     |                     |              |                    | Preload   | Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 <ul style="list-style-type: none"> <li>Lenovo Solution Center</li> <li>Lenovo PowerEngage</li> <li>ThinkVantage Product Recovery</li> <li>ThinkVantage System Update</li> <li>Adobe® Reader®</li> <li>Microsoft® Office preloaded; purchase a product key to activate</li> <li>McAfee® LiveSafe™ (30-day trial)</li> </ul>   |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
|                   |   |              |                |                     |                     |              |                    | Limited warranty  | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
|                   |   |              |                |                     |                     |              |                    | Mil-Spec test   | MIL-STD-810G military certification  |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |
|                   |   |              |                |                     |                     |              |                    | Environment   | EPPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant   |                    |            |             |             |                 |                 |                   |         |         |         |         |         |                 |         |         |         |         |         |

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                   | Multi-touch          | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Dock | Monitor Cable | Camera    | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal+ external) | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|---------------------------|----------------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------|---------------|-----------|-----------|---------------------|------|----------|------------------------------|---------------|------------------|---------------|----------------|
| 20H9000MUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 01/17          |
| 20H9000NUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 01/17          |
| 20H9000PUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 01/17          |
| 20H9000QUS | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 01/17          |
| 20H9000RUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 01/17          |
| 20H9000SUS | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 1-year, Depot | 01/17          |
| 20H9000TUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 01/17          |
| 20H9000UUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 01/17          |
| 20H9004FUS | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20H9004NUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | IR & 720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20H9004PUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | IR & 720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20H9004QUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | IR & 720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20H9004RUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GBx1 | 15.6" 4K (3840x2160) IPS  | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | IR & 720p | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20H9004SUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GBx1 | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20H9004TUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GBx1 | 15.6" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20H9004UUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20H9004VUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20H9004WUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20H90056US | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 15.6" HD (1366x768)       | None                 | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 06/17          |
| 20H90057US | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p      | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh)  | 45W           | Win10 Pro 64     | 3-year, Depot | 06/17          |

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                   | Multi-touch          | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Dock | Monitor Cable | Camera | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal+external) | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|---------------------------|----------------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------|---------------|--------|-----------|---------------------|------|----------|-----------------------------|---------------|------------------|---------------|----------------|
| 20H90058US | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 15.6" HD (1366x768)       | None                 | 180GB SSD Opal2               | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 06/17          |
| 20H90059US | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 15.6" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 06/17          |

ThinkPad T570 - TopSeller - 20JW

Product Specifications Reference (PSREF)

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                   | Multi-touch | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Dock | Monitor Cable | Camera | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal+external) | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|---------------------------|-------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------|---------------|--------|-----------|---------------------|------|----------|-----------------------------|---------------|----------------------|---------------|----------------|
| 20JW0004US | US     | i7-6600U  | vPro | Intel HD 520 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JW0005US | US     | i5-6300U  | vPro | Intel HD 520 | 4GBx1  | 15.6" FHD (1920x1080) IPS | None        | 500GB 7200rpm                 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JW0006US | US     | i5-6300U  | vPro | Intel HD 520 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20JW0007US | US     | i7-6600U  | vPro | Intel HD 520 | 16GBx1 | 15.6" FHD (1920x1080) IPS | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JW0008US | US     | i5-6300U  | vPro | Intel HD 520 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JW0009US | US     | i7-6600U  | vPro | Intel HD 520 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | Sierra EM7455   | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 04/17          |
| 20JW000CUS | US     | i7-6600U  | vPro | Intel HD 520 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 06/17          |
| 20JW000DUS | US     | i5-6300U  | vPro | Intel HD 520 | 8GBx1  | 15.6" FHD (1920x1080) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 4-cell(32Wh) + 3-cell(24Wh) | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 06/17          |



# ThinkPad X1 Carbon (5<sup>th</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

|                 |   |            |              |                |                     |       |              |                       |  |  |  |
|-----------------|---|------------|--------------|----------------|---------------------|-------|--------------|-----------------------|--|--|--|
| Processor       | 6th Generation Intel® Core™ i5 / i7 Processor   |            |              |                |                     |       |              |                       | Smart card reader<br>None  | Media reader<br>MicroSD card reader, supports UHS-II microSD card  | Ports<br>Two USB 3.1 Gen 1 (USB 3.0, one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3 (support data, video, and power delivery), HDMI 1.4b, Ethernet extension connector |
|                 | Processor Number  | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics    |  |  |  |
|                 | i5-6200U  | 2          | 4            | 2.3 GHz        | 2.8 GHz             | 3MB   | LPDDR3-1866  | Intel HD Graphics 520 | WiGig dock (opt)<br>ThinkPad WiGig dock  | Monitor cable (optional)<br>HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter<br>USB-C to VGA: Lenovo USB-C to VGA Adapter<br>USB-C to DP: Lenovo USB-C to DisplayPort Adapter   |  |
|                 | i5-6300U  |            |              | 2.4 GHz        | 3.0 GHz             | 3MB   |              |                       |  |  |  |
|                 | i7-6500U  |            |              | 2.5 GHz        | 3.1 GHz             | 4MB   |              |                       |  |  |  |
|                 | i7-6600U  |            |              | 2.6 GHz        | 3.4 GHz             | 4MB   |              |                       |  |  |  |
|                 | or 7th Generation Intel Core i5 / i7 Processor  |            |              |                |                     |       |              |                       | Camera (optional)<br>720p: HD720p resolution, fixed focus<br>IR & 720p: IR camera and HD720p camera  | Audio support<br>HD Audio, Conexant® CX11871 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack  |  |
|                 | Processor Number  | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics    |  |  |  |
|                 | i5-7200U  | 2          | 4            | 2.5 GHz        | 3.1 GHz             | 3MB   | LPDDR3-1866  | Intel HD Graphics 620 | Keyboard<br>6-row, spill-resistant, multimedia Fn keys, LED backlight  | UltraNav™<br>TrackPoint® pointing device and buttonless Glass surface multi-touch touchpad   |  |
|                 | i5-7300U  |            |              | 2.6 GHz        | 3.5 GHz             | 3MB   |              |                       |  |  |  |
|                 | i7-7500U  |            |              | 2.7 GHz        | 3.5 GHz             | 4MB   |              |                       |  |  |  |
|                 | i7-7600U  |            |              | 2.8 GHz        | 3.9 GHz             | 4MB   |              |                       |  |  |  |
| Graphics        | Intel HD Graphics 520 or 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)  |            |              |                |                     |       |              |                       | Security<br>Security chip<br>vPro (optional)<br>Intel vPro Technology  | Fingerprint reader<br>Touch style match on chip fingerprint reader on the palm rest  | NFC (optional)<br>Near Field Communication   |
| Chipset         | Intel SoC (System on Chip) platform   |            |              |                |                     |       |              |                       | Battery<br>Integrated Li-Polymer 3-cell (57Wh) RapidCharge battery   | Max battery life<br>MobileMark® 2014: 15.5 hr  |  |
| Memory          | 8GB or 16GB / 1866MHz LPDDR3 / soldered to systemboard, no sockets  |            |              |                |                     |       |              |                       | AC adapter<br>45W or 65W USB Type-C adapter  | RapidCharge  |  |
| Display         | Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle<br>Some: 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle                                       |            |              |                |                     |       |              |                       | AC adapter   | 45W USB-C  | 65W USB-C  |
| Multi-touch     | None  |            |              |                |                     |       |              |                       | Charge to 80%  | Not support  | 1.0 hr   |
| Storage         | Some: M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)<br>Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)   |            |              |                |                     |       |              |                       | Charge to 100%   | Not support  | 2.5 hr   |
| Optical         | None  |            |              |                |                     |       |              |                       | Preload  | Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64<br>Some: Windows 10 Home 64<br>Some: Windows 10 Pro 64<br>• Lenovo Companion<br>• Lenovo Setting<br>• Microsoft Office preloaded; purchase a product key to activate |  |
| Ethernet        | Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Cable   |            |              |                |                     |       |              |                       | • Lenovo Solution Center<br>• Lenovo PowerEngage<br>• ThinkVantage Product Recovery<br>• ThinkVantage System Update<br>• Adobe® Reader®<br>• Microsoft® Office preloaded; purchase a product key to activate<br>• McAfee® LiveSafe™ (30-day trial) |  |  |
| WLAN            | One of the following, configurable by model (WiGig can coexist with WWAN):<br>• Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card<br>• Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card<br>• Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card |            |              |                |                     |       |              |                       | Limited warranty   | One of the following, configurable by model:<br>• 1-year depot repair service<br>• 3-year/1-yr battery depot repair service<br>• 3-year/1-yr battery limited onsite service  |  |
| Bluetooth™      | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br>* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS  |            |              |                |                     |       |              |                       | Mil-Spec test  | MIL-STD-810G military certification  |  |
| WWAN (optional) | Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)   |            |              |                |                     |       |              |                       | Environment  | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant  |  |
| SIM card (opt)  | Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card  |            |              |                |                     |       |              |                       |  |  |  |
| Dimensions      | WxDxH: 12.74" x 8.55" x 0.63"; 323.5mm x 217.1mm x 15.95mm  |            |              |                |                     |       |              |                       |  |  |  |
| Weight          | Starting at 2.49 lb / 1.13 kg   |            |              |                |                     |       |              |                       |  |  |  |
| Case color      | Black or Silver (silver is not available in EMEA)   |            |              |                |                     |       |              |                       |  |  |  |
| Case material   | Display cover: CFRP/GFRP hybrid;<br>Bottom: magnesium alloy hybrid  |            |              |                |                     |       |              |                       |  |  |  |

Lenovo  
July 2017



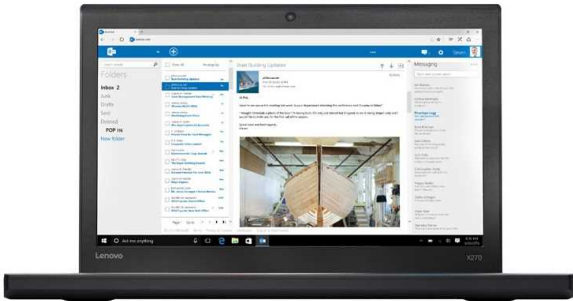
| Model      | Region | Processor | vPro | Graphics     | Memory (Soldered) | Display                  | Multi-touch | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth     | WWAN          | SIM Card | Dock | Monitor Cable | Adapter | Color  | Camera | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal) | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|-------------------|--------------------------|-------------|-------------------------------|---------|----------------------|---------------|----------|------|---------------|---------|--------|--------|-----------|---------------------|------|----------|--------------------|---------------|------------------|---------------|----------------|
| 20HR000DUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HR000EUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HR000FUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GB Soldered     | 14" FHD (1920x1080) IPS  | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HR000GUS | US     | i5-7200U  | No   | Intel HD 620 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HR000HUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HR000JUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GB Soldered     | 14" FHD (1920x1080) IPS  | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HR000KUS | US     | i5-7300U  | vPro | Intel HD 620 | 16GB Soldered     | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HR000LUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HR000MUS | US     | i5-7300U  | vPro | Intel HD 620 | 16GB Soldered     | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HR000WUS | US     | i5-7200U  | No   | Intel HD 620 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HR0011US | US     | i5-7200U  | No   | Intel HD 620 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 128GB SSD M.2                 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HR003CUS | US     | i5-7300U  | vPro | Intel HD 620 | 16GB Soldered     | 14" FHD (1920x1080) IPS  | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HR003DUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HR003EUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HR0053US | US     | i7-7500U  | No   | Intel HD 620 | 8GB Soldered      | 14" WQHD (2560x1440) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HR0057US | US     | i7-7500U  | No   | Intel HD 620 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HR0058US | US     | i7-7500U  | No   | Intel HD 620 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HR005FUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GB Soldered     | 14" FHD (1920x1080) IPS  | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20HR005HUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 04/17          |
| 20HR005KUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 04/17          |

| Model      | Region | Processor | vPro | Graphics     | Memory (Soldered) | Display                  | Multi-touch | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth     | WWAN          | SIM Card | Dock | Monitor Cable | Adapter | Color  | Camera | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal) | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|-------------------|--------------------------|-------------|-------------------------------|---------|----------------------|---------------|----------|------|---------------|---------|--------|--------|-----------|---------------------|------|----------|--------------------|---------------|------------------|---------------|----------------|
| 20HR006HUS | US     | i5-7300U  | vPro | Intel HD 620 | 16GB Soldered     | 14" WQHD (2560x1440) IPS | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HR006JUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GB Soldered     | 14" WQHD (2560x1440) IPS | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HR006KUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HR006LUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB Soldered      | 14" WQHD (2560x1440) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HR006MUS | US     | i5-7300U  | vPro | Intel HD 620 | 16GB Soldered     | 14" WQHD (2560x1440) IPS | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HR006NUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HR006PUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GB Soldered      | 14" WQHD (2560x1440) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HR006QUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB Soldered      | 14" WQHD (2560x1440) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HR006RUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GB Soldered      | 14" WQHD (2560x1440) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HR006SUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GB Soldered     | 14" WQHD (2560x1440) IPS | None        | 1TB SSD M.2 PCIe NVMe Opal2   | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HR006TUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GB Soldered     | 14" WQHD (2560x1440) IPS | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Black  | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HR006UUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GB Soldered     | 14" WQHD (2560x1440) IPS | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 07/17          |
| 20HR006VUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB Soldered      | 14" WQHD (2560x1440) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Silver | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 Pro 64     | 3-year, Depot | 07/17          |

ThinkPad X1 Carbon (5th Gen) - TopSeller - 20K4

Product Specifications Reference (PSREF)

| Model      | Region | Processor | vPro | Graphics     | Memory (Soldered) | Display                  | Multi-touch | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth     | WWAN          | SIM Card | Dock | Monitor Cable | Adapter | Color | Camera | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal) | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|-------------------|--------------------------|-------------|-------------------------------|---------|----------------------|---------------|----------|------|---------------|---------|-------|--------|-----------|---------------------|------|----------|--------------------|---------------|----------------------|---------------|----------------|
| 20K4001WUS | US     | i5-6200U  | No   | Intel HD 520 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8260 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K4001XUS | US     | i5-6300U  | vPro | Intel HD 520 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8260 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K4001YUS | US     | i7-6600U  | vPro | Intel HD 520 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8260 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K40020US | US     | i7-6600U  | vPro | Intel HD 520 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8260 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K40021US | US     | i5-6200U  | No   | Intel HD 520 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8260 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K4002RUS | US     | i7-6500U  | No   | Intel HD 520 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8260 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K4002SUS | US     | i7-6500U  | No   | Intel HD 520 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8260 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K4002TUS | US     | i7-6500U  | No   | Intel HD 520 | 8GB Soldered      | 14" WQHD (2560x1440) IPS | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8260 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K4002UUS | US     | i5-6200U  | No   | Intel HD 520 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 180GB SSD M.2 Opal2           | None    | 8260 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K4002WUS | US     | i7-6600U  | vPro | Intel HD 520 | 16GB Soldered     | 14" WQHD (2560x1440) IPS | None        | 512GB SSD M.2 PCIe NVMe Opal2 | None    | 8260 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 DG Win7 Pro 64 | 3-year, Depot | 07/17          |
| 20K4002XUS | US     | i5-6300U  | vPro | Intel HD 520 | 8GB Soldered      | 14" WQHD (2560x1440) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8260 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 DG Win7 Pro 64 | 3-year, Depot | 07/17          |
| 20K4002YUS | US     | i5-6300U  | vPro | Intel HD 520 | 8GB Soldered      | 14" WQHD (2560x1440) IPS | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8260 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 DG Win7 Pro 64 | 3-year, Depot | 07/17          |
| 20K40030US | US     | i5-6300U  | vPro | Intel HD 520 | 8GB Soldered      | 14" FHD (1920x1080) IPS  | None        | 256GB SSD M.2 PCIe NVMe Opal2 | None    | 8260 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Black | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell (57Wh)      | 65W USB-C     | Win10 DG Win7 Pro 64 | 3-year, Depot | 07/17          |



# ThinkPad X270 Platform Specifications

Product Specifications Reference (PSREF)

|                         |  |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|-------------------------|--|------------------------|-----------------------------|-----------------------------|---------------------|-------|--------------|-----------------------|--|--|------------------------|-----------------------------|-----------------------------|-------------------------|-------------------|-------------------|-------------------|---------|
| Processor               | 6th Generation Intel® Core™ i3 / i5 / i7 Processor   |                        |                             |                             |                     |       |              |                       | <b>WWAN (optional)</b> One of the following, configurable by model (mutually exclusive with WiGig): <ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)</li> <li>Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU) (EMEA only)</li> </ul> |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | Processor Number   | # of Cores             | # of Threads                | Base Frequency              | Max Turbo Frequency | Cache | Memory Types | Processor Graphics    |  | <b>SIM card (opt)</b> Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card |                        |                             |                             |                         |                   |                   |                   |         |
|                         | i3-6006U   | 2                      | 4                           | 2.0 GHz                     | -                   | 3MB   | DDR4-2133    | Intel HD Graphics 520 |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | i3-6100U   |                        |                             | 2.3 GHz                     | -                   | 3MB   |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | i5-6200U   |                        |                             | 2.3 GHz                     | 2.8 GHz             | 3MB   |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | i5-6300U   |                        |                             | 2.4 GHz                     | 3.0 GHz             | 3MB   |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | i7-6500U   |                        |                             | 2.5 GHz                     | 3.1 GHz             | 4MB   |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | i7-6600U   |                        |                             | 2.6 GHz                     | 3.4 GHz             | 4MB   |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | or 7th Generation Intel Core i3 / i5 / i7 Processor  |                        |                             |                             |                     |       |              |                       | <b>Dimensions</b> <i>WxDxH:</i> 12.03" x 8.21" x 0.80"; 305.5mm x 208.5mm x 20.3mm<br><b>Weight</b> <table border="1"> <tr> <td><i>Models</i></td> <td><i>No + 3-cell</i></td> <td><i>3-cell + 3-cell</i></td> <td><i>3 + 6-cell</i></td> </tr> <tr> <td><i>Weight</i></td> <td>2.79 lb / 1.27 kg</td> <td>2.98 lb / 1.36 kg</td> <td>3.33 lb / 1.52 kg</td> </tr> </table>      | <i>Models</i>  | <i>No + 3-cell</i>     | <i>3-cell + 3-cell</i>      | <i>3 + 6-cell</i>           | <i>Weight</i>           | 2.79 lb / 1.27 kg | 2.98 lb / 1.36 kg | 3.33 lb / 1.52 kg |         |
| <i>Models</i>           | <i>No + 3-cell</i>   | <i>3-cell + 3-cell</i> | <i>3 + 6-cell</i>           |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
| <i>Weight</i>           | 2.79 lb / 1.27 kg  | 2.98 lb / 1.36 kg      | 3.33 lb / 1.52 kg           |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | Processor Number   | # of Cores             | # of Threads                | Base Frequency              | Max Turbo Frequency | Cache | Memory Types | Processor Graphics    |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | i3-7100U   | 2                      | 4                           | 2.4 GHz                     | -                   | 3MB   | DDR4-2133    | Intel HD Graphics 620 |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | i5-7200U   |                        |                             | 2.5 GHz                     | 3.1 GHz             | 3MB   |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | i5-7300U   |                        |                             | 2.6 GHz                     | 3.5 GHz             | 3MB   |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | i7-7500U   |                        |                             | 2.7 GHz                     | 3.5 GHz             | 4MB   |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | i7-7600U   |                        |                             | 2.8 GHz                     | 3.9 GHz             | 4MB   |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         |  |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
| Graphics                | Intel HD Graphics 520 or 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2160@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)   |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
| Chipset Memory          | Intel SoC (System on Chip) platform<br>16GB max / 2400MHz DDR4, one DDR4 SO-DIMM socket<br>* System clocks down for processors with lower memory controller  |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
| Display                 | <i>Some:</i> 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio<br><i>Some:</i> 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle<br><i>Some:</i> 12.5" (317.5mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle   |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
| Multi-touch (opt)       | On-cell touch, supports 10-finger gesture (FHD only)   |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
| Storage                 | System has one HDD slot or one M.2 2280 slot exclusively for storage<br><i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)<br><i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s<br><i>Some:</i> 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN and WiGig   |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
| Optical                 | None   |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
| Ethernet                | <i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville)<br><i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)  |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
| WLAN                    | One of the following, configurable by model (WiGig is mutually exclusive with WWAN): <ul style="list-style-type: none"> <li>Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1</li> <li>Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1</li> <li>Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1</li> <li>Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1 (US only)</li> </ul>   |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
| Bluetooth™              | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br>* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS   |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | <b>Keyboard</b> 6-row, spill-resistant, multimedia Fn keys, optional LED backlight<br><b>UltraNav™</b> TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad   |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | <b>Security</b> Power-on password, hard disk password, supervisor password, security keyhole<br><b>Security chip</b> Discrete TPM 2.0, TCG Certified<br><b>vPro (optional)</b> Intel vPro Technology<br><b>Fingerprint reader (optional)</b> Touch style match on chip fingerprint reader on the palm rest<br><b>NFC (optional)</b> Near Field Communication   |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | <b>Internal battery (optional)</b> Integrated Li-Ion or Li-Polymer 3-cell (23Wh)<br><b>External battery</b> Li-Ion 3-cell (23Wh) or 6-cell (48Wh or 72Wh)<br><b>Max battery life (MobileMark® 2014)</b> <table border="1"> <tr> <td><i>Models</i></td> <td><i>No + 3-cell</i></td> <td><i>3-cell + 3-cell</i></td> <td><i>3-cell + 6-cell 48Wh</i></td> <td><i>3-cell + 6-cell 72Wh</i></td> </tr> <tr> <td><i>Max battery life</i></td> <td>6.52 hr</td> <td>13.04 hr</td> <td>20.1 hr</td> <td>26.9 hr</td> </tr> </table>   |                        |                             |                             |                     |       |              |                       | <i>Models</i>  | <i>No + 3-cell</i>   | <i>3-cell + 3-cell</i> | <i>3-cell + 6-cell 48Wh</i> | <i>3-cell + 6-cell 72Wh</i> | <i>Max battery life</i> | 6.52 hr           | 13.04 hr          | 20.1 hr           | 26.9 hr |
| <i>Models</i>           | <i>No + 3-cell</i>   | <i>3-cell + 3-cell</i> | <i>3-cell + 6-cell 48Wh</i> | <i>3-cell + 6-cell 72Wh</i> |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
| <i>Max battery life</i> | 6.52 hr  | 13.04 hr               | 20.1 hr                     | 26.9 hr                     |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | <b>AC adapter</b> 45W AC adapter (slim tip) or 45W USB Type-C AC adapter   |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | <b>Preload</b> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 <ul style="list-style-type: none"> <li>Lenovo Solution Center</li> <li>Lenovo PowerEngage</li> <li>ThinkVantage Product Recovery</li> <li>ThinkVantage System Update</li> <li>Adobe® Reader®</li> <li>Microsoft® Office preloaded; purchase a product key to activate</li> <li>McAfee® LiveSafe™ (30-day trial)</li> </ul> <i>Some:</i> Windows 10 Home 64<br><i>Some:</i> Windows 10 Pro 64 <ul style="list-style-type: none"> <li>Lenovo Companion</li> <li>Lenovo Setting</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> </ul> |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | <b>Limited warranty</b> One of the following, configurable by model: <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>   |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | <b>Mil-Spec test</b> MIL-STD-810G military certification   |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |
|                         | <b>Environment</b> EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant   |                        |                             |                             |                     |       |              |                       |  |  |                        |                             |                             |                         |                   |                   |                   |         |

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                   | Multi-touch          | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Dock | Monitor Cable | Camera | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal+external) | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|---------------------------|----------------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------|---------------|--------|-----------|---------------------|------|----------|-----------------------------|---------------|------------------|---------------|----------------|
| 20HN001FUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 12.5" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HN001GUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GBx1 | 12.5" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HN001HUS | US     | i7-7500U  | No   | Intel HD 620 | 16GBx1 | 12.5" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HN001JUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 12.5" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HN001KUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 12.5" HD (1366x768) IPS   | None                 | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HN001LUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 12.5" HD (1366x768) IPS   | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HN001MUS | US     | i7-7500U  | No   | Intel HD 620 | 16GBx1 | 12.5" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HN001NUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GBx1 | 12.5" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HN001PUS | US     | i3-7100U  | No   | Intel HD 620 | 4GBx1  | 12.5" HD (1366x768) IPS   | None                 | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HN001QUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 12.5" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HN001RUS | US     | i7-7500U  | No   | Intel HD 620 | 8GBx1  | 12.5" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 02/17          |
| 20HN004UUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 12.5" FHD (1920x1080) IPS | None                 | 180GB SSD Opal2               | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HN004VUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 12.5" HD (1366x768) IPS   | None                 | 180GB SSD Opal2               | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 03/17          |
| 20HN006AUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GBx1 | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 08/17          |
| 20HN006BUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 08/17          |
| 20HN006CUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 08/17          |
| 20HN006DUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 08/17          |
| 20HN006EUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 180GB SSD Opal2               | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 08/17          |
| 20HN006FUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GBx1 | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 08/17          |
| 20HN006GUS | US     | i7-7500U  | No   | Intel HD 620 | 16GBx1 | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 08/17          |

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                   | Multi-touch          | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Dock | Monitor Cable | Camera | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal+external) | Power Adapter | Operating System | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|---------------------------|----------------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------|---------------|--------|-----------|---------------------|------|----------|-----------------------------|---------------|------------------|---------------|----------------|
| 20HN006HUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 180GB SSD Opal2               | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 08/17          |
| 20HN006JUS | US     | i7-7500U  | No   | Intel HD 620 | 16GBx1 | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 08/17          |
| 20HN006KUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 500GB 7200rpm                 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 08/17          |
| 20HN006VUS | US     | i7-7500U  | No   | Intel HD 620 | 8GBx1  | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8265 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh) | 45W           | Win10 Pro 64     | 3-year, Depot | 08/17          |

ThinkPad X270 - TopSeller - 20K6

Product Specifications Reference (PSREF)

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                   | Multi-touch          | Storage(HDD/SSD)              | Optical | WLAN + Bluetooth           | WWAN            | SIM Card | Smart Card Reader | Dock | Monitor Cable | Camera | Key-board | Finger-print Reader | NFC  | TPM      | Battery (internal+ external) | Power Adapter | Operating System     | Warranty      | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|--------|---------------------------|----------------------|-------------------------------|---------|----------------------------|-----------------|----------|-------------------|------|---------------|--------|-----------|---------------------|------|----------|------------------------------|---------------|----------------------|---------------|----------------|
| 20K6000LUS | US     | i7-6600U  | vPro | Intel HD 520 | 16GBx1 | 12.5" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K6000MUS | US     | i5-6200U  | No   | Intel HD 520 | 8GBx1  | 12.5" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K6000NUS | US     | i7-6600U  | vPro | Intel HD 520 | 8GBx1  | 12.5" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K6000PUS | US     | i5-6300U  | vPro | Intel HD 520 | 8GBx1  | 12.5" HD (1366x768)       | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K6000QUS | US     | i5-6300U  | vPro | Intel HD 520 | 8GBx1  | 12.5" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K6000RUS | US     | i7-6500U  | No   | Intel HD 520 | 8GBx1  | 12.5" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K6000SUS | US     | i7-6500U  | No   | Intel HD 520 | 8GBx1  | 12.5" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K6000TUS | US     | i7-6600U  | vPro | Intel HD 520 | 16GBx1 | 12.5" FHD (1920x1080) IPS | None                 | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 05/17          |
| 20K6000UUS | US     | i5-6200U  | No   | Intel HD 520 | 8GBx1  | 12.5" HD (1366x768)       | None                 | 500GB 7200rpm                 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K6000VUS | US     | i7-6500U  | No   | Intel HD 520 | 16GBx1 | 12.5" FHD (1920x1080) IPS | None                 | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 03/17          |
| 20K6001AUS | US     | i5-6300U  | vPro | Intel HD 520 | 8GBx1  | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 180GB SSD Opal2               | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 08/17          |
| 20K6001BUS | US     | i7-6600U  | vPro | Intel HD 520 | 16GBx1 | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 08/17          |
| 20K6001CUS | US     | i5-6200U  | No   | Intel HD 520 | 8GBx1  | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 08/17          |
| 20K6001DUS | US     | i5-6300U  | vPro | Intel HD 520 | 8GBx1  | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 08/17          |
| 20K6001EUS | US     | i7-6500U  | No   | Intel HD 520 | 16GBx1 | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 08/17          |
| 20K6001FUS | US     | i5-6200U  | No   | Intel HD 520 | 8GBx1  | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 180GB SSD Opal2               | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 08/17          |
| 20K6001GUS | US     | i7-6600U  | vPro | Intel HD 520 | 8GBx1  | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 08/17          |
| 20K6001HUS | US     | i7-6500U  | No   | Intel HD 520 | 8GBx1  | 12.5" FHD (1920x1080) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | WWAN Upgradable | None     | None              | None | None          | 720p   | Backlit   | Finger-print Reader | None | dTPM 2.0 | 3-cell(23Wh) + 3-cell(23Wh)  | 45W           | Win10 DG Win7 Pro 64 | 3-year, Depot | 08/17          |



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**Battery life:** Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

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**Lenovo** **ThinkPad** Tablets  
Convertibles

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**Product Specifications Reference**

Version 509, July 2017

**U.S.**

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# Summary of Changes

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This section describes the technical changes made in this edition.

This edition might also include minor corrections and editorial changes which are not identified.

## July 12, 2017 - Version 509

### Additions in this update

▶ **New product(s)**

None

▶ **New model(s)**

None

▶ **Others**

None

### Changes in this update

▶ None

### Withdrawals in this update

▶ **Withdrawn product(s)**

ThinkPad Yoga 260 withdraw July 2017

ThinkPad Yoga 460 withdraw July 2017

ThinkPad P40 Yoga withdraw July 2017

ThinkPad X1 Yoga (1st Gen) withdraw July 2017

ThinkPad X1 Tablet withdraw July 2017

ThinkPad 10 (2nd Gen) withdraw July 2017



# ThinkPad X1 Tablet (2<sup>nd</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

|                    |   |            |              |                |                     |       |              |                       |                    |   |
|--------------------|---|------------|--------------|----------------|---------------------|-------|--------------|-----------------------|--------------------|---|
| Processor          | 7th Generation Intel® Core™ m / i5 / i7 Processor   |            |              |                |                     |       |              |                       | Camera             | <i>Front camera:</i> 2.0-megapixel, fixed focus<br><i>Rear camera:</i> 8.0-megapixel, auto focus, flash LED   |
|                    | Processor Number  | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics    | Video capture      | 1080p video capture   |
|                    | m3-7Y30   | 2          | 4            | 1.0 GHz        | 2.6 GHz             | 4MB   | LPDDR3-1866  | Intel HD Graphics 615 | Audio support      | Realtek® ALC3268 codec / stereo speakers, 0.5W x 2 / three microphones, combo audio/microphone jack   |
|                    | i5-7Y54   |            |              | 1.2 GHz        | 3.2 GHz             | 4MB   |              |                       |                    |   |
|                    | i5-7Y57   |            |              | 1.2 GHz        | 3.3 GHz             | 4MB   |              |                       |                    |   |
| i7-7Y75            | 1.3 GHz   |            |              | 3.6 GHz        | 4MB                 |       |              |                       |                    |   |
| Graphics           | Intel HD Graphics 615 in processor, supports 1080p video out via Mini DisplayPort connector   |            |              |                |                     |       |              |                       | Pogo keyboard      | Magnetic attached thin keyboard, with TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch, backlit   |
| Chipset            | Intel SoC (System on Chip) platform   |            |              |                |                     |       |              |                       | Keyboard color     | Black, red, or silver   |
| Memory             | 4GB, 8GB, or 16GB / 1866MHz LPDDR3 / soldered to systemboard, no sockets  |            |              |                |                     |       |              |                       | Security           | Kensington lock slot  |
| Display            | 12.0" (304.8mm) FHD+ (2160x1440), glossy, LED backlight, IPS, anti-fingerprint display with Corning® Gorilla® Glass, WideView (170° viewing), 360 nits, 3:2 aspect ratio, 800:1 contrast ratio      |            |              |                |                     |       |              |                       | Security chip      | Discrete TPM 2.0 TCG Certified  |
| Multi-touch        | Capacitive touch panel, supports ten-finger gesture   |            |              |                |                     |       |              |                       | vPro (optional)    | Intel vPro Technology   |
| Pen                | <i>Optional:</i> ThinkPad Pen Pro, active pen for multi-touch display   |            |              |                |                     |       |              |                       | Fingerprint reader | <i>Optional:</i> Touch style Fingerprint reader   |
| Kick stand         | Opening angle up to 90 degrees  |            |              |                |                     |       |              |                       | NFC                | None  |
| Storage            | <i>Some:</i> M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)<br><i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)   |            |              |                |                     |       |              |                       | Module             | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Wh)</li> <li>Presenter module, Pico projector, HDMI and 10Whr battery for presenter</li> </ul>   |
| Optical            | None  |            |              |                |                     |       |              |                       | Battery            | Li-Polymer 2-cell (37Wh) battery  |
| Storage extension  | One microSD card slot, supports up to 32GB microSDHC or 64GB microSDXC  |            |              |                |                     |       |              |                       | Max battery life   | <i>MobileMark® 2014:</i> 10 hr (local video playback)   |
| Ethernet           | None  |            |              |                |                     |       |              |                       | AC adapter         | 45W or 65W USB Type-C AC adapter  |
| WLAN               | Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, soldered M.2 chip   |            |              |                |                     |       |              |                       | Light sensor       | Ambient Light Sensor  |
| Bluetooth™         | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo chip<br><i>* Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS</i>   |            |              |                |                     |       |              |                       | G-sensor           | 3D accelerometer  |
| WiGig              | Intel Wireless Gigabit 11000, WiGig 802.11ad, soldered M.2 chip   |            |              |                |                     |       |              |                       | Compass            | 3D compass  |
| WWAN (optional)    | Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)   |            |              |                |                     |       |              |                       | Gyroscope          | 3D gyrometer  |
| SIM card (opt)     | Nano-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card   |            |              |                |                     |       |              |                       | GPS                | GPS function is integrated into WWAN module   |
| Dimensions         | <i>Tablet only:</i> 11.48" x 8.25" x 0.34"; 291.5mm x 209.5mm x 8.45mm<br><i>Tablet + keyboard:</i> 11.48" x 8.25" x 0.56"; 291.5mm x 209.5mm x 14.15mm   |            |              |                |                     |       |              |                       | Preload            | <i>Some:</i> Windows 10 Pro 64<br><i>Some:</i> Windows 10 Home 64 <ul style="list-style-type: none"> <li>Lenovo Connect</li> <li>Lenovo Companion</li> <li>Lenovo Setting</li> <li>Microsoft® Office preloaded; purchase a product key to activate</li> </ul> |
| Weight             | <i>Tablet only:</i> starting at 1.69 lb (0.77kg)<br><i>Tablet+keyboard:</i> starting at 2.35 lb (1.07kg)  |            |              |                |                     |       |              |                       | Limited warranty   | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>                       |
| Case color         | Black   |            |              |                |                     |       |              |                       | Mil-Spec test      | MIL-STD-810G military certification   |
| Case material      | Mg + PCGF Hybrid  |            |              |                |                     |       |              |                       | Environment        | EPeAT™ Gold, GREENGUARD, Low Halogen, RoHS  |
| Smart card reader  | None  |            |              |                |                     |       |              |                       |                    |   |
| Media reader       | One microSD card slot (microSD, microSDHC, microSDXC)   |            |              |                |                     |       |              |                       |                    |   |
| Ports              | One USB 3.1 Gen 1 / USB 3.0, one Mini DisplayPort, one USB 3.1 Type-C Gen 1 / Power Delivery 2.0, one Pogo keyboard connector, one cartridge connector for optional modules, one nano-SIM card slot |            |              |                |                     |       |              |                       |                    |   |
| Control buttons    | Power button, volume control button, reset switch   |            |              |                |                     |       |              |                       |                    |   |
| WiGig dock         | <i>Optional:</i> ThinkPad WiGig dock  |            |              |                |                     |       |              |                       |                    |   |
| Monitor cable      | <i>MiniDP to HDMI:</i> Lenovo Mini DisplayPort to HDMI Monitor Cable  |            |              |                |                     |       |              |                       |                    |   |
| (optional)         | <i>MiniDP to VGA:</i> Lenovo Mini DisplayPort to VGA Monitor Cable  |            |              |                |                     |       |              |                       |                    |   |
| Adapter (optional) | <i>USB to RJ45:</i> ThinkPad USB 3.0 Ethernet Adapter   |            |              |                |                     |       |              |                       |                    |   |
|                    | <i>USB-C to VGA:</i> Lenovo USB C to VGA Plus Power Adapter   |            |              |                |                     |       |              |                       |                    |   |
|                    | <i>USB-C to HDMI:</i> Lenovo USB-C to HDMI Plus Power Adapter   |            |              |                |                     |       |              |                       |                    |   |

ThinkPad X1 Tablet (2nd Gen) - TopSeller - 20JB

Product Specifications Reference (PSREF)

| Model      | Region | Processor | vPro | Graphics     | Memory        | Display                  | Multi-touch          | Storage(HDD/SSD)              | WLAN + Bluetooth     | WWAN          | SIM Card | Dock | Monitor Cable | Camera (Front / Rear) | Keyboard Docking | Pen          | Fingerprint Reader | Module | Power Adapter | Operating System | Warranty      | Global | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|---------------|--------------------------|----------------------|-------------------------------|----------------------|---------------|----------|------|---------------|-----------------------|------------------|--------------|--------------------|--------|---------------|------------------|---------------|--------|------------------|
| 20JB0027US | US     | i5-7Y57   | vPro | Intel HD 615 | 8GB Soldered  | 12" FHD+ (2160x1440) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | 2.0MP / 8.0MP         | Black Keyboard   | Pogo Pen Pro | Fingerprint Reader | None   | 45W           | Win10 Pro 64     | 3-year, Depot | No     | 03/17            |
| 20JB0029US | US     | i7-7Y75   | vPro | Intel HD 615 | 16GB Soldered | 12" FHD+ (2160x1440) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | 2.0MP / 8.0MP         | Black Keyboard   | Pogo Pen Pro | Fingerprint Reader | None   | 45W           | Win10 Pro 64     | 3-year, Depot | No     | 03/17            |
| 20JB002BUS | US     | i7-7Y75   | vPro | Intel HD 615 | 16GB Soldered | 12" FHD+ (2160x1440) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | 2.0MP / 8.0MP         | Black Keyboard   | Pogo Pen Pro | Fingerprint Reader | None   | 45W           | Win10 Pro 64     | 3-year, Depot | No     | 03/17            |
| 20JB002CUS | US     | i5-7Y54   | No   | Intel HD 615 | 8GB Soldered  | 12" FHD+ (2160x1440) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | 2.0MP / 8.0MP         | Black Keyboard   | Pogo Pen Pro | Fingerprint Reader | None   | 45W           | Win10 Pro 64     | 1-year, Depot | No     | 03/17            |
| 20JB002DUS | US     | i5-7Y54   | No   | Intel HD 615 | 8GB Soldered  | 12" FHD+ (2160x1440) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | 2.0MP / 8.0MP         | Black Keyboard   | Pogo Pen Pro | Fingerprint Reader | None   | 45W           | Win10 Pro 64     | 1-year, Depot | No     | 03/17            |
| 20JB002EUS | US     | i7-7Y75   | vPro | Intel HD 615 | 16GB Soldered | 12" FHD+ (2160x1440) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | 2.0MP / 8.0MP         | Black Keyboard   | Pogo Pen Pro | Fingerprint Reader | None   | 45W           | Win10 Pro 64     | 3-year, Depot | No     | 03/17            |
| 20JB002FUS | US     | i5-7Y57   | vPro | Intel HD 615 | 8GB Soldered  | 12" FHD+ (2160x1440) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | 2.0MP / 8.0MP         | Black Keyboard   | Pogo Pen Pro | Fingerprint Reader | None   | 45W           | Win10 Pro 64     | 3-year, Depot | No     | 03/17            |
| 20JB002JUS | US     | i5-7Y57   | vPro | Intel HD 615 | 8GB Soldered  | 12" FHD+ (2160x1440) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | 2.0MP / 8.0MP         | Black Keyboard   | Pogo Pen Pro | Fingerprint Reader | None   | 45W           | Win10 Pro 64     | 3-year, Depot | No     | 03/17            |
| 20JB002KUS | US     | i7-7Y75   | vPro | Intel HD 615 | 8GB Soldered  | 12" FHD+ (2160x1440) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | 2.0MP / 8.0MP         | Black Keyboard   | Pogo Pen Pro | Fingerprint Reader | None   | 45W           | Win10 Pro 64     | 3-year, Depot | No     | 03/17            |
| 20JB002LUS | US     | i7-7Y75   | vPro | Intel HD 615 | 8GB Soldered  | 12" FHD+ (2160x1440) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | 2.0MP / 8.0MP         | Black Keyboard   | Pogo Pen Pro | Fingerprint Reader | None   | 45W           | Win10 Pro 64     | 3-year, Depot | No     | 03/17            |
| 20JB002MUS | US     | i7-7Y75   | vPro | Intel HD 615 | 8GB Soldered  | 12" FHD+ (2160x1440) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | 2.0MP / 8.0MP         | Black Keyboard   | Pogo Pen Pro | Fingerprint Reader | None   | 45W           | Win10 Pro 64     | 3-year, Depot | No     | 03/17            |
| 20JB002NUS | US     | i7-7Y75   | vPro | Intel HD 615 | 8GB Soldered  | 12" FHD+ (2160x1440) IPS | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | 2.0MP / 8.0MP         | Black Keyboard   | Pogo Pen Pro | Fingerprint Reader | None   | 45W           | Win10 Pro 64     | 1-year, Depot | No     | 03/17            |
| 20JB0035US | US     | i7-7Y75   | vPro | Intel HD 615 | 8GB Soldered  | 12" FHD+ (2160x1440) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | 2.0MP / 8.0MP         | Black Keyboard   | Pogo Pen Pro | Fingerprint Reader | None   | 45W           | Win10 Pro 64     | 3-year, Depot | No     | 03/17            |
| 20JB003RUS | US     | i7-7Y75   | vPro | Intel HD 615 | 16GB Soldered | 12" FHD+ (2160x1440) IPS | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | 2.0MP / 8.0MP         | Black Keyboard   | Pogo Pen Pro | Fingerprint Reader | None   | 45W           | Win10 Pro 64     | 1-year, Depot | No     | 05/17            |





# ThinkPad P40 Yoga Platform Specifications

Product Specifications Reference (PSREF)

|                   |  |            |              |                |                     |       |              |   |      |   |   |  |
|-------------------|--|------------|--------------|----------------|---------------------|-------|--------------|---|------|---|---|--|
| Processor         | 6th Generation Intel® Core™ i7 Processor   |            |              |                |                     |       |              |   |      | Ports   | Three USB 3.0 (one Always On), Mini DisplayPort, HDMI, Onelink+ connector, combo audio / microphone jack  |  |
|                   | Processor Number   | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics                      | vPro |   | Monitor cable (optional)  | HDMI-VGA: Lenovo HDMI to VGA Monitor Cable |
|                   | i7-6500U   | 2          | 4            | 2.5 GHz        | 3.1 GHz             | 4MB   | DDR3L-1600   | Intel HD Graphics 520                   | No   |   | mDP-VGA: Lenovo Mini DisplayPort to VGA Monitor Cable   |  |
| i7-6600U          | 2.6 GHz  |            |              | 3.4 GHz        | 4MB                 | vPro  |              | RJ45: ThinkPad Onelink+ to RJ45 adapter |      | VGA/RJ45: ThinkPad Onelink+ to VGA/RJ45 adapter |   |  |
| Graphics          | Intel HD Graphics 520 in processor and Nvidia Quadro M500M Graphics, 2GB DDR3 memory, supports external digital monitor via HDMI, or Mini DisplayPort; supports dual independent display; Max resolution: 3840x2160 (Mini DisplayPort)@60Hz; 1920x1080 (HDMI)@60Hz |            |              |                |                     |       |              |   |      | Camera  | HD720p resolution, fixed focus  |  |
| Chipset           | Intel SoC (System on Chip) platform  |            |              |                |                     |       |              |   |      | Audio support                                   | HD Audio, Conexant® CX11852 codec, Dolby® DAX2 / stereo speakers, 1.5W x 2 / dual array microphone, combo audio / microphone jack   |  |
| Memory            | 16GB max / 1600MHz DDR3L / one 204-pin SO-DIMM sockets   |            |              |                |                     |       |              |   |      | Keyboard  | 6-row, spill-resistant, multimedia Fn keys, LED backlit   |  |
| Display           | Some: 14.0" (355mm) WQHD (2560x1440), glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio<br>Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio                       |            |              |                |                     |       |              |   |      | UltraNav™                                       | TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch  |  |
| Multi-touch       | Capacitive touch panel, supports 10-finger gesture   |            |              |                |                     |       |              |   |      | Security  | Power-on password, hard disk password, supervisor password, security keyhole  |  |
| Hinge             | Yoga hinge, 360 degree   |            |              |                |                     |       |              |   |      | Security chip                                   | Trusted Platform Module, TCG 1.2-compliant and Software TPM 2.0   |  |
| Convert-mode      | Laptop, tent, stand, and tablet  |            |              |                |                     |       |              |   |      | vPro (optional)                                 | Intel vPro Technology   |  |
| Pen               | ThinkPad Pen Pro, active pen for multi-touch display   |            |              |                |                     |       |              |   |      | Fingerprint reader                              | Swipe fingerprint reader under C cover  |  |
| Storage           | SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high  |            |              |                |                     |       |              |   |      | NFC   | None  |  |
| Optical           | None   |            |              |                |                     |       |              |   |      | Battery type                                    | Li-Polymer 3-cell (53Wh)  |  |
| Ethernet          | Gigabit Ethernet via optional Ethernet (RJ-45) adapter (by native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro))   |            |              |                |                     |       |              |   |      | Battery life                                    | Up to 8.0 hr  |  |
| WLAN              | 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 Card   |            |              |                |                     |       |              |   |      | AC adapter                                      | 65W AC adapter  |  |
| Bluetooth™        | Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter  |            |              |                |                     |       |              |   |      | Light sensor                                    | Ambient Light Sensor  |  |
| WWAN (optional)   | Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card  |            |              |                |                     |       |              |   |      | G-sensor  | 3D accelerometer  |  |
| SIM card          | Micro-SIM card slot  |            |              |                |                     |       |              |   |      | Compass   | 3D compass  |  |
| Dimensions        | WxDxH: 13.30" x 9.30" x 0.78"; 338.0mm x 236.3mm x 19.9mm  |            |              |                |                     |       |              |   |      | Gyroscope                                       | 3D gyrometer  |  |
| Weight            | From 3.96 lb (1.80kg)  |            |              |                |                     |       |              |   |      | Preload   | Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64   |  |
| Case color        | Black  |            |              |                |                     |       |              |   |      |   | Some: Windows 10 Pro 64   |  |
| Case material     | Carbon-Fiber Hybrid  |            |              |                |                     |       |              |   |      |   | Some: Windows 10 Home 64  |  |
| Smart card reader | None   |            |              |                |                     |       |              |   |      |   | <ul style="list-style-type: none"> <li>• Lenovo Solution Center</li> <li>• Lenovo SHAREit</li> <li>• Lenovo Companion</li> <li>• Lenovo Settings</li> <li>• Microsoft Office preloaded; purchase a product key to activate</li> <li>• McAfee® Live Safe (30-day trial)</li> </ul> |  |
| Media reader      | 4-in-1 reader (MMC, SD, SDHC, SDXC)  |            |              |                |                     |       |              |   |      | Limited warranty                                | One of the following, configurable by model: <ul style="list-style-type: none"> <li>• 1-year depot repair service</li> <li>• 3-year/1-yr battery depot repair service</li> </ul>  |  |
|                   |  |            |              |                |                     |       |              |   |      | Mil-Spec test                                   | MIL-STD-810G military certification   |  |
|                   |  |            |              |                |                     |       |              |   |      | Environment                                     | EPEAT™ Gold; ENERGY STAR®; RoHS-compliant   |  |

# ThinkPad P40 Yoga - TopSeller - 20GQ

Product Specifications Reference (PSREF)

| Model      | Region | Processor | vPro | Graphics  | Memory | Display                        | Multi-touch          | Case Material | Storage         | Optical | WLAN + Bluetooth           | WWAN | SIM Card | Monitor Cable | Color | Camera | Keyboard | Pen     | Finger-print Reader | NFC  | TPM                 | Battery       | Power Adapter | Operating System | Warranty      | Global | End of Support | Ann Date (m/y) |
|------------|--------|-----------|------|-----------|--------|--------------------------------|----------------------|---------------|-----------------|---------|----------------------------|------|----------|---------------|-------|--------|----------|---------|---------------------|------|---------------------|---------------|---------------|------------------|---------------|--------|----------------|----------------|
| 20GQ000BUS | US     | i7-6500U  | No   | M500M 2GB | 8GBx1  | 14" FHD (1920x1080) IPS AG     | 10-point Multi-touch | Carbon        | 256GB SSD Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None          | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | dTPM1.2 + FW TPM2.0 | 3-cell (53Wh) | 65W           | Win10 Pro 64     | 1-year, Depot | No     | Feb 2, 2021    | 02/16          |
| 20GQ000CUS | US     | i7-6600U  | vPro | M500M 2GB | 8GBx1  | 14" FHD (1920x1080) IPS AG     | 10-point Multi-touch | Carbon        | 256GB SSD Opal2 | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None          | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | dTPM1.2 + FW TPM2.0 | 3-cell (53Wh) | 65W           | Win10 Pro 64     | 1-year, Depot | No     | Feb 2, 2021    | 02/16          |
| 20GQ000EUS | US     | i7-6600U  | vPro | M500M 2GB | 16GBx1 | 14" WQHD (2560x1440) IPS Gloss | 10-point Multi-touch | Carbon        | 512GB SSD       | None    | Intel 8260 ac, 2x2 + BT4.1 | None | None     | None          | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | dTPM1.2 + FW TPM2.0 | 3-cell (53Wh) | 65W           | Win10 Pro 64     | 1-year, Depot | No     | Feb 2, 2021    | 02/16          |



# ThinkPad X1 Yoga (2<sup>nd</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

|                 |  |            |              |                |                     |       |              |                       |  |                       |           |           |               |             |        |                |             |        |
|-----------------|--|------------|--------------|----------------|---------------------|-------|--------------|-----------------------|--|-----------------------|-----------|-----------|---------------|-------------|--------|----------------|-------------|--------|
| Processor       | 7th Generation Intel® Core™ i5 / i7 Processor  |            |              |                |                     |       |              |                       | Smart card reader<br>None  |                       |           |           |               |             |        |                |             |        |
|                 | Processor Number   | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics    |  | Media reader<br>Ports |           |           |               |             |        |                |             |        |
|                 | i5-7200U   | 2          | 4            | 2.5 GHz        | 3.1 GHz             | 3MB   | LPDDR3-1866  | Intel HD Graphics 620 | MicroSD card reader, supports UHS-II microSD card<br>Three USB 3.1 Gen 1 (USB 3.0, one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3 (support data, video, and power delivery), HDMI 1.4b, Ethernet extension connector, combo audio / microphone jack  |                       |           |           |               |             |        |                |             |        |
|                 | i5-7300U   |            |              | 2.6 GHz        | 3.5 GHz             | 3MB   |              |                       |  |                       |           |           |               |             |        |                |             |        |
|                 | i7-7500U   |            |              | 2.7 GHz        | 3.5 GHz             | 4MB   |              |                       |  |                       |           |           |               |             |        |                |             |        |
|                 | i7-7600U   |            |              | 2.8 GHz        | 3.9 GHz             | 4MB   |              |                       |  |                       |           |           |               |             |        |                |             |        |
| Graphics        | Intel HD Graphics 620 in processor only, supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)   |            |              |                |                     |       |              |                       | WiGig dock (opt)<br>ThinkPad WiGig dock  |                       |           |           |               |             |        |                |             |        |
| Chipset         | Intel SoC (System on Chip) platform  |            |              |                |                     |       |              |                       | Monitor cable (optional)<br>HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter<br>USB-C to VGA: Lenovo USB-C to VGA Adapter<br>USB-C to DP: Lenovo USB-C to DisplayPort Adapter   |                       |           |           |               |             |        |                |             |        |
| Memory          | 8GB or 16GB / 1866MHz LPDDR3 / soldered to systemboard, no sockets   |            |              |                |                     |       |              |                       | Camera (optional)<br>720p: HD720p resolution, fixed focus<br>IR & 720p: IR camera and HD720p camera (Narrow Bezel FHD panel only)  |                       |           |           |               |             |        |                |             |        |
| Display         | <i>Some:</i> 14.0" (355mm) FHD (1920x1080), glossy, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS<br><i>Some:</i> 14.0" (355mm) Narrow Bezel FHD (1920x1080), glossy, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS<br><i>Some:</i> 14.0" (355mm) WQHD (2560x1440), glossy, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS<br><i>Some:</i> 14.0" (355mm) WQHD (2560x1440), glossy, OLED, 300 nits, 16:9 aspect ratio, 54000:1 contrast ratio, 100% gamut, 176° viewing angle |            |              |                |                     |       |              |                       | Audio support<br>HD Audio, Conexant® CX11771 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack  |                       |           |           |               |             |        |                |             |        |
| Multi-touch     | <i>LED panel:</i> Capacitive-type multi-touch, AR (anti-reflection), AS (anti-smudge), supports 10-finger gesture<br><i>OLED panel:</i> OCTA, AS (anti-smudge), supports 10-finger gesture   |            |              |                |                     |       |              |                       | Keyboard<br>6-row wave keyboard (rise & fall), spill-resistant, multimedia Fn keys, LED backlight<br>UltraNav™<br>TrackPoint® pointing device and 3+2 buttons multi-touch clickpad   |                       |           |           |               |             |        |                |             |        |
| Hinge           | Yoga hinge, 360 degree   |            |              |                |                     |       |              |                       | Security<br>Power-on password, hard disk password, supervisor password, security keyhole   |                       |           |           |               |             |        |                |             |        |
| Convert-mode    | Laptop, tent, stand, and tablet  |            |              |                |                     |       |              |                       | Security chip<br>Discrete TPM 2.0 TCG Certified  |                       |           |           |               |             |        |                |             |        |
| Pen (optional)  | ThinkPad Pen Pro, active pen for multi-touch display   |            |              |                |                     |       |              |                       | vPro (optional)<br>Intel vPro Technology   |                       |           |           |               |             |        |                |             |        |
| Storage         | <i>Some:</i> M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)<br><i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)  |            |              |                |                     |       |              |                       | Fingerprint reader<br>Touch style match on chip fingerprint reader on the palm rest  |                       |           |           |               |             |        |                |             |        |
| Optical         | None   |            |              |                |                     |       |              |                       | NFC (optional)<br>Near Field Communication   |                       |           |           |               |             |        |                |             |        |
| Ethernet        | Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Cable  |            |              |                |                     |       |              |                       | Battery<br>Li-Polymer 4-cell (56Wh)<br>Max battery life<br>MobileMark® 2014: 15.5 hr   |                       |           |           |               |             |        |                |             |        |
| WLAN            | <i>One of the following, configurable by model (WiGig is mutually exclusive with WWAN):</i> <ul style="list-style-type: none"> <li>Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2, 802.11ac + BT4.1, M.2 Card</li> <li>Intel Tri-Band Wireless-AC 18265, WiGig™ 802.11ad + Wi-Fi 2x2, 802.11ac + BT4.1, M.2 Card</li> </ul> <i>*WiGig adapter is only available in selected countries*</i>  |            |              |                |                     |       |              |                       | AC adapter<br>45W or 65W USB Type-C AC adapter   |                       |           |           |               |             |        |                |             |        |
| Bluetooth™      | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br><i>* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS</i>  |            |              |                |                     |       |              |                       | RapidCharge<br><table border="1"> <tr> <td>AC adapter</td> <td>45W USB-C</td> <td>65W USB-C</td> </tr> <tr> <td>Charge to 80%</td> <td>Not support</td> <td>1.0 hr</td> </tr> <tr> <td>Charge to 100%</td> <td>Not support</td> <td>2.8 hr</td> </tr> </table> | AC adapter            | 45W USB-C | 65W USB-C | Charge to 80% | Not support | 1.0 hr | Charge to 100% | Not support | 2.8 hr |
| AC adapter      | 45W USB-C  | 65W USB-C  |              |                |                     |       |              |                       |  |                       |           |           |               |             |        |                |             |        |
| Charge to 80%   | Not support  | 1.0 hr     |              |                |                     |       |              |                       |  |                       |           |           |               |             |        |                |             |        |
| Charge to 100%  | Not support  | 2.8 hr     |              |                |                     |       |              |                       |  |                       |           |           |               |             |        |                |             |        |
| WWAN (optional) | Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)  |            |              |                |                     |       |              |                       | Light sensor<br>Ambient Light Sensor   |                       |           |           |               |             |        |                |             |        |
| SIM card (opt)  | Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card   |            |              |                |                     |       |              |                       | G-sensor<br>3D accelerometer and 3D magnetometer   |                       |           |           |               |             |        |                |             |        |
| Dimensions      | WxDxH: 13.11" x 9.02" x 0.69"; 333mm x 229mm x 17.4mm  |            |              |                |                     |       |              |                       | Compass<br>3D compass  |                       |           |           |               |             |        |                |             |        |
| Weight          | Starting at 2.99 lb (1.36kg) for OLED model; 3.13 lb (1.42kg) for other model  |            |              |                |                     |       |              |                       | Gyroscope<br>3D gyrometer  |                       |           |           |               |             |        |                |             |        |
| Case color      | Black or silver  |            |              |                |                     |       |              |                       | Preload<br><i>Some:</i> Windows 10 Home 64<br><i>Some:</i> Windows 10 Pro 64 <ul style="list-style-type: none"> <li>Lenovo Companion</li> <li>Lenovo Settings</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> </ul>               |                       |           |           |               |             |        |                |             |        |
| Case material   | <i>Display cover:</i> Carbon-Fiber Hybrid;<br><i>Bottom:</i> magnesium-PPS hybrid  |            |              |                |                     |       |              |                       | Limited warranty<br><i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>    |                       |           |           |               |             |        |                |             |        |
|                 |  |            |              |                |                     |       |              |                       | Mil-Spec test<br>MIL-STD-810G military certification   |                       |           |           |               |             |        |                |             |        |
|                 |  |            |              |                |                     |       |              |                       | Environment<br>EPEAT™ Gold (US only); ENERGY STAR®; RoHS-compliant   |                       |           |           |               |             |        |                |             |        |

ThinkPad X1 Yoga (2nd Gen) - TopSeller - 20JD

Product Specifications Reference (PSREF)

| Model      | Region | Processor | vPro | Graphics     | Memory        | Display                         | Multi-touch          | Storage(HDD/SSD)              | WLAN + Bluetooth           | WWAN          | SIM Card | Dock | Monitor Cable | Adapter | Color | Camera | Keyboard | Pen     | Finger-print Reader | NFC  | Power Adapter | Operating System | Warranty      | Global | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|---------------|---------------------------------|----------------------|-------------------------------|----------------------------|---------------|----------|------|---------------|---------|-------|--------|----------|---------|---------------------|------|---------------|------------------|---------------|--------|----------------|
| 20JD000PUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GB Soldered  | 14" FHD (1920x1080) IPS NB      | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JD000QUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB Soldered  | 14" FHD (1920x1080) IPS NB      | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JD000RUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GB Soldered  | 14" FHD (1920x1080) IPS Gloss   | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JD000SUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GB Soldered | 14" WQHD (2560x1440) IPS Gloss  | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JD000TUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GB Soldered | 14" WQHD (2560x1440) IPS Gloss  | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JD000UUS | US     | i5-7300U  | vPro | Intel HD 620 | 16GB Soldered | 14" FHD (1920x1080) IPS NB      | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JD000VUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB Soldered  | 14" WQHD (2560x1440) IPS Gloss  | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JD000WUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GB Soldered | 14" WQHD (2560x1440) OLED Gloss | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JD000XUS | US     | i5-7200U  | No   | Intel HD 620 | 8GB Soldered  | 14" WQHD (2560x1440) IPS Gloss  | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JD000YUS | US     | i5-7300U  | vPro | Intel HD 620 | 16GB Soldered | 14" FHD (1920x1080) IPS Gloss   | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JD0015US | US     | i5-7200U  | No   | Intel HD 620 | 8GB Soldered  | 14" FHD (1920x1080) IPS NB      | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JD0022US | US     | i5-7200U  | No   | Intel HD 620 | 8GB Soldered  | 14" FHD (1920x1080) IPS NB      | 10-point Multi-touch | 180GB SSD M.2 SATA3 Opal2     | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 05/17          |
| 20JD004UUS | US     | i7-7500U  | No   | Intel HD 620 | 8GB Soldered  | 14" WQHD (2560x1440) IPS Gloss  | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 05/17          |
| 20JD004VUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GB Soldered  | 14" FHD (1920x1080) IPS NB      | 10-point Multi-touch | 180GB SSD M.2 SATA3 Opal2     | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Black | 720p   | Backlit  | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 05/17          |

ThinkPad X1 Yoga (2nd Gen) - TopSeller - 20JF

Product Specifications Reference (PSREF)

| Model      | Region | Processor | vPro | Graphics     | Memory        | Display                         | Multi-touch          | Storage(HDD/SSD)              | WLAN + Bluetooth           | WWAN          | SIM Card | Dock | Monitor Cable | Adapter | Color  | Camera | Keyboard       | Pen     | Finger-print Reader | NFC  | Power Adapter | Operating System | Warranty      | Global | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|---------------|---------------------------------|----------------------|-------------------------------|----------------------------|---------------|----------|------|---------------|---------|--------|--------|----------------|---------|---------------------|------|---------------|------------------|---------------|--------|----------------|
| 20JF000BUS | US     | i5-7200U  | No   | Intel HD 620 | 8GB Soldered  | 14" FHD (1920x1080) IPS NB      | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Silver | 720p   | Backlit Silver | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JF000CUS | US     | i5-7300U  | vPro | Intel HD 620 | 16GB Soldered | 14" FHD (1920x1080) IPS Gloss   | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Silver | 720p   | Backlit Silver | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JF000DUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GB Soldered | 14" WQHD (2560x1440) IPS Gloss  | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Silver | 720p   | Backlit Silver | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JF000EUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB Soldered  | 14" FHD (1920x1080) IPS NB      | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Silver | 720p   | Backlit Silver | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JF000FUS | US     | i5-7300U  | vPro | Intel HD 620 | 16GB Soldered | 14" FHD (1920x1080) IPS NB      | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Silver | 720p   | Backlit Silver | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JF000GUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GB Soldered  | 14" FHD (1920x1080) IPS Gloss   | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Silver | 720p   | Backlit Silver | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JF000HUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GB Soldered | 14" WQHD (2560x1440) OLED Gloss | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Silver | 720p   | Backlit Silver | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JF000JUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GB Soldered  | 14" WQHD (2560x1440) IPS Gloss  | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Silver | 720p   | Backlit Silver | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JF000KUS | US     | i5-7200U  | No   | Intel HD 620 | 8GB Soldered  | 14" WQHD (2560x1440) IPS Gloss  | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Silver | 720p   | Backlit Silver | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JF000LUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GB Soldered  | 14" FHD (1920x1080) IPS NB      | 10-point Multi-touch | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None          | None     | None | None          | None    | Silver | 720p   | Backlit Silver | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |
| 20JF000MUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GB Soldered | 14" WQHD (2560x1440) IPS Gloss  | 10-point Multi-touch | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | Sierra EM7455 | None     | None | None          | None    | Silver | 720p   | Backlit Silver | Pen Pro | Finger-print Reader | None | 65W           | Win10 Pro 64     | 3-year, Depot | No     | 04/17          |



# ThinkPad Yoga 11e (3<sup>rd</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

|                         |  |            |              |                |                        |                       |              |                       |                                |   |
|-------------------------|--|------------|--------------|----------------|------------------------|-----------------------|--------------|-----------------------|--------------------------------|---|
| Processor               | Intel® Celeron® processor, Intel Pentium® Processor, or 6th Generation Intel Core™ i3 Processor  |            |              |                |                        |                       |              |                       | Media reader                   | 4-in-1 reader (MMC, SD, SDHC, SDXC)   |
|                         | Processor Number   | # of Cores | # of Threads | Base Frequency | Burst Frequency        | Cache                 | Memory Types | Processor Graphics    | Ports                          | Two USB 3.0, HDMI, Ethernet (RJ-45)   |
|                         | Cel N3150  | 4          | 4            | 1.6 GHz        | 2.08 GHz               | 2MB                   | DDR3L-1600   | Intel HD graphics     | Control buttons                | Power button, volume control button   |
|                         | Cel N3160  | 4          | 4            | 1.6 GHz        | 2.24 GHz               | 2MB                   |              | Intel HD graphics     | Camera                         | HD720p resolution, low light sensitive, fixed focus   |
|                         | Pen 4405U  | 2          | 4            | 2.1 GHz        | -                      | 2MB                   |              | Intel HD graphics 510 |                                |   |
| i3-6100U                | 2.3 GHz  |            |              | -              | 3MB                    | Intel HD graphics 520 |              |                       |                                |   |
| Graphics                | Intel HD Graphics, Intel HD Graphics 510, or Intel HD Graphics 520 in processor, supports external digital monitor via HDMI™; supports dual independent display; Max resolution: 1920X1080 (HDMI) @30Hz                          |            |              |                |                        |                       |              |                       | Security                       | Power-on password, hard disk password, supervisor password, security keyhole  |
| Chipset                 | Intel SoC (System on Chip) platform  |            |              |                |                        |                       |              |                       | Security chip                  | Trusted Platform Module, TCG 1.2-compliant  |
| Memory                  | 2GB, 4GB, or 8GB / PC3-12800 1600MHz DDR3L, one DDR3L SO-DIMM socket   |            |              |                |                        |                       |              |                       | vPro                           | None  |
| Display                 | 11.6" (295mm) HD (1366x768), glare, LED backlight, IPS 250 nits, 16:9 aspect ratio, 800:1 contrast ratio   |            |              |                |                        |                       |              |                       | Fingerprint reader             | None  |
| MultiTouch              | Yes, support 10 fingers  |            |              |                |                        |                       |              |                       | Battery                        | Integrated Lithium Polymer 3-cell (42Wh)  |
| Hinge                   | Yoga hinge, 360 degree   |            |              |                |                        |                       |              |                       |                                |   |
| Convertible mode        | Laptop, tent, stand and tablet   |            |              |                |                        |                       |              |                       | AC adapter                     | 45-watt AC adapter  |
| Pen                     | Some: Active pen, batteries required   |            |              |                |                        |                       |              |                       | Preload                        | <i>Some:</i> Windows 10 Home 64<br><i>Some:</i> Windows 10 Pro 64<br><ul style="list-style-type: none"> <li>Lenovo Solution Center</li> <li>Lenovo Companion</li> <li>Lenovo Setting</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>McAfee® LiveSafe™ (30-day trial)</li> </ul> |
| Storage                 | M.2 Solid State Drive (SSD), SATA 6.0Gb/s  |            |              |                |                        |                       |              |                       |                                |   |
| Optical                 | None   |            |              |                |                        |                       |              |                       |                                |   |
| Ethernet                | Realtek RTL8111GUS-CG Gigabit Network Connection   |            |              |                |                        |                       |              |                       |                                |   |
| WLAN <sup>4</sup>       | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>11ac+BT, Intel Dual Band Wireless-AC 3165, 1x1, M.2 card</li> <li>11ac+BT, Intel Dual Band Wireless-AC 7265, 2x2, M.2 card</li> </ul> |            |              |                |                        |                       |              |                       |                                |   |
| Bluetooth™              | Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter  |            |              |                |                        |                       |              |                       | Limited warranty <sup>12</sup> | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service (US only)</li> </ul>   |
| WWAN                    | None   |            |              |                |                        |                       |              |                       | Mil-Spec test                  | MIL-STD-810G military certification   |
| Dimensions <sup>3</sup> | WxDxH: 11.81" x 8.27" x 0.90"; 300mm x 210mm x 22.9mm  |            |              |                |                        |                       |              |                       | Environment                    | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant   |
| Weight <sup>2</sup>     | from 3.5 lb (1.59kg)   |            |              |                |                        |                       |              |                       |                                |   |
| Case color              | Display cover: Graphite Black or Silver;   |            |              |                | Bottom: Graphite Black |                       |              |                       |                                |   |
| Case material           | Display cover: PC+40%GF+TPU;   |            |              |                | Bottom: PCC            |                       |              |                       |                                |   |

Lenovo  
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## ThinkPad Yoga 11e (3rd Gen) - TopSeller - 20GA

Product Specifications Reference (PSREF)

| Model      | Region | Processor     | Graphics     | Memory | Display                 | Multi-touch          | Storage         | Optical | WLAN + Bluetooth           | Color | Camera | Pen  | Finger-print Reader | Battery       | Power Adapter | Operating System  | Warranty      | Global | Ann Date (m/y) |
|------------|--------|---------------|--------------|--------|-------------------------|----------------------|-----------------|---------|----------------------------|-------|--------|------|---------------------|---------------|---------------|-------------------|---------------|--------|----------------|
| 20GA000KUS | US     | Celeron N3150 | Intel HD     | 4GBx1  | 11.6" HD (1366x768) IPS | 10-point Multi-touch | 128GB SSD       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | None | None                | 3-cell (42Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | No     | 03/16          |
| 20GA000LUS | US     | Celeron N3150 | Intel HD     | 8GBx1  | 11.6" HD (1366x768) IPS | 10-point Multi-touch | 128GB SSD       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | None | None                | 3-cell (42Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | No     | 03/16          |
| 20GA000MUS | US     | i3-6100U      | Intel HD 520 | 8GBx1  | 11.6" HD (1366x768) IPS | 10-point Multi-touch | 128GB SSD       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | None | None                | 3-cell (42Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | No     | 03/16          |
| 20GA000NUS | US     | i3-6100U      | Intel HD 520 | 8GBx1  | 11.6" HD (1366x768) IPS | 10-point Multi-touch | 256GB SSD Opal2 | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | None | None                | 3-cell (42Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | No     | 03/16          |
| 20GA000QUS | US     | i3-6100U      | Intel HD 520 | 8GBx1  | 11.6" HD (1366x768) IPS | 10-point Multi-touch | 192GB SSD       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | None | None                | 3-cell (42Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | No     | 03/16          |
| 20GA000YUS | US     | i3-6100U      | Intel HD 520 | 4GBx1  | 11.6" HD (1366x768) IPS | 10-point Multi-touch | 192GB SSD       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | None | None                | 3-cell (42Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | No     | 03/16          |
| 20GA001EUS | US     | Celeron N3160 | Intel HD     | 8GBx1  | 11.6" HD (1366x768) IPS | 10-point Multi-touch | 128GB SSD       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | None | None                | 3-cell (42Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | No     | 09/16          |
| 20GA001FUS | US     | Celeron N3160 | Intel HD     | 4GBx1  | 11.6" HD (1366x768) IPS | 10-point Multi-touch | 128GB SSD       | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | None | None                | 3-cell (42Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | No     | 09/16          |



# ThinkPad Yoga 11e (4<sup>th</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

|                  |  |            |              |                        |                 |               |                   |                       |  |   |
|------------------|--|------------|--------------|------------------------|-----------------|---------------|-------------------|-----------------------|--|---|
| Processor        | Intel® Celeron® processor, or 7th Generation Intel Core™ i3 / i5 Processor   |            |              |                        |                 |               |                   | Media reader          | 4-in-1 reader (MMC, SD, SDHC, SDXC)  |   |
|                  | Processor Number   | # of Cores | # of Threads | Base Frequency         | Burst Frequency | Cache         | Memory Controller | Processor Graphics    | Ports  | Two USB 3.1 Gen 1 / USB 3.0, HDMI, Ethernet (RJ-45) |
|                  | Cel N3450  | 4          | 4            | 1.1 GHz                | 2.2 GHz         | 2MB           | DDR3L-1866        | Intel HD graphics 500 | Control buttons  | Power button, volume control button                 |
|                  | i3-7100U   | 2          | 4            | 2.4 GHz                | -               | 3MB           | DDR4-2133         | Intel HD graphics 620 | Camera   | HD720p resolution, low light sensitive, fixed focus |
| i5-7200U         | 2.5 GHz  |            |              | 3.1 GHz                | 3MB             | Audio support |                   |                       | HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / monaural microphone, combo audio/microphone jack  |   |
| Graphics         | Intel HD Graphics 500, or Intel HD Graphics 620 in processor, supports external digital monitor via HDMI™; supports dual independent display; Max resolution: 1920X1080 (HDMI) @30Hz |            |              |                        |                 |               |                   | Keyboard              | ThinkPad Windows keyboard, 6-row, multimedia Fn keys   |   |
| Chipset          | Intel SoC (System on Chip) platform  |            |              |                        |                 |               |                   | UltraNav™             | Two buttons click pad below keyboard, multi-touch  |   |
| Memory           | 4GB or 8GB / 1600MHz DDR3L or 2133MHz DDR4, one DDR3L or DDR4 SO-DIMM socket<br>* System clocks down for processors with lower memory controller                                     |            |              |                        |                 |               |                   | Security              | Power-on password, hard disk password, supervisor password, security keyhole   |   |
| Display          | 11.6" (295mm) HD (1366x768), anti-glare, LED backlight, IPS<br>250 nits, 16:9 aspect ratio, 800:1 contrast ratio   |            |              |                        |                 |               |                   | Security chip         | Discrete TPM 2.0, TCG Certified  |   |
| MultiTouch       | Yes, support 10 fingers  |            |              |                        |                 |               |                   | vPro                  | None   |   |
| Hinge            | Yoga hinge, 360 degree   |            |              |                        |                 |               |                   | Fingerprint reader    | None   |   |
| Convertible mode | Laptop, tent, stand and tablet   |            |              |                        |                 |               |                   | Battery               | Integrated Lithium Polymer 3-cell (42Wh)   |   |
| Pen              | Some: Active pen, batteries required   |            |              |                        |                 |               |                   | Max battery life      | MobileMark® 2014: 11 hr  |   |
| Storage          | M.2 Solid State Drive (SSD), SATA 6.0Gb/s  |            |              |                        |                 |               |                   | AC adapter            | 45-watt AC adapter   |   |
| Optical          | None   |            |              |                        |                 |               |                   | Preload               | Some: Windows 10 Home 64<br>Some: Windows 10 Pro 64<br>• Lenovo Connect<br>• Lenovo Companion<br>• Lenovo Setting<br>• Microsoft Office preloaded;<br>purchase a product key to activate |   |
| Ethernet         | Realtek RTL8111GUS-CG Gigabit Network Connection   |            |              |                        |                 |               |                   | Limited warranty      | One of the following, configurable by model:<br>• 1-year depot repair service<br>• 3-year depot repair service   |   |
| WLAN             | One of the following, configurable by model:<br>• 11ac+BT, QCA NFA435, 1x1, M.2 card<br>• 11ac+BT, Intel Dual Band Wireless-AC 7265, 2x2, M.2 card                                   |            |              |                        |                 |               |                   | Mil-Spec test         | MIL-STD-810G military certification  |   |
| Bluetooth™       | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br>*Intel 7265ac card supports Bluetooth 4.2 but is limited to BT 4.1 by Windows OS                            |            |              |                        |                 |               |                   | Environment           | EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant  |   |
| WWAN             | None   |            |              |                        |                 |               |                   |                       |  |   |
| Dimensions       | WxDxH: 11.81" x 8.27" x 0.90"; 300mm x 210mm x 22.9mm  |            |              |                        |                 |               |                   |                       |  |   |
| Weight           | from 3.5 lb (1.59kg)   |            |              |                        |                 |               |                   |                       |  |   |
| Case color       | Display cover: Graphite Black;   |            |              | Bottom: Graphite Black |                 |               |                   |                       |  |   |
| Case material    | Display cover: PC+40%GF+TPU;   |            |              | Bottom: PC+ABS         |                 |               |                   |                       |  |   |

# ThinkPad Yoga 11e (4th Gen) - TopSeller - 20HU

Product Specifications Reference (PSREF)

| Model      | Product                     | Region | Processor     | Graphics     | Memory | Display                 | Multi-touch          | Color | Storage         | Optical | WLAN + Bluetooth           | Camera | Pen  | Fingerprint Reader | Battery       | Power Adapter | Operating System  | Warranty      | Global | Ann Date (mm/yy) |
|------------|-----------------------------|--------|---------------|--------------|--------|-------------------------|----------------------|-------|-----------------|---------|----------------------------|--------|------|--------------------|---------------|---------------|-------------------|---------------|--------|------------------|
| 20HU0000US | ThinkPad Yoga 11e (4th Gen) | US     | i3-7100U      | Intel HD 620 | 8GBx1  | 11.6" HD (1366x768) IPS | 10-point Multi-touch | Black | 128GB SSD       | None    | Intel 7265 ac, 2x2 + BT4.1 | 720p   | None | None               | 3-cell (42Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | No     | 03/17            |
| 20HU0001US | ThinkPad Yoga 11e (4th Gen) | US     | i3-7100U      | Intel HD 620 | 8GBx1  | 11.6" HD (1366x768) IPS | 10-point Multi-touch | Black | 256GB SSD Opal2 | None    | Intel 7265 ac, 2x2 + BT4.1 | 720p   | None | None               | 3-cell (42Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | No     | 03/17            |
| 20HU0003US | ThinkPad Yoga 11e (4th Gen) | US     | Celeron N3450 | Intel HD 500 | 4GBx1  | 11.6" HD (1366x768) IPS | 10-point Multi-touch | Black | 128GB SSD       | None    | Intel 7265 ac, 2x2 + BT4.1 | 720p   | None | None               | 3-cell (42Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | No     | 03/17            |
| 20HU0004US | ThinkPad Yoga 11e (4th Gen) | US     | Celeron N3450 | Intel HD 500 | 8GBx1  | 11.6" HD (1366x768) IPS | 10-point Multi-touch | Black | 128GB SSD       | None    | Intel 7265 ac, 2x2 + BT4.1 | 720p   | None | None               | 3-cell (42Wh) | 45W           | Windows 10 Pro 64 | 1-year, Depot | No     | 03/17            |



# ThinkPad Yoga 11e Chromebook (3<sup>rd</sup> Gen) Platform Specifications

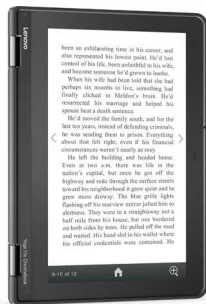
Product Specifications Reference (PSREF)

|                   |  |            |              |                |                 |       |              |   |  |                    |
|-------------------|--|------------|--------------|----------------|-----------------|-------|--------------|---|--|--------------------|
| Processor         | Intel® Celeron® processor  |            |              |                |                 |       |              | Dimensions <sup>3</sup><br>Weight <sup>2</sup><br>Case color<br>Case material | WxDxH: 11.81" x 8.27" x 0.88"; 300mm x 210mm x 22.3mm<br>from 3.3 lb (1.50kg)<br>Display cover: Graphite Black or Silver; Bottom: Graphite Black<br>Display cover: PC+40%GF+TPU; Bottom: PCC |                    |
|                   | Processor Number   | # of Cores | # of Threads | Base Frequency | Burst Frequency | Cache | Memory Types |   |  | Processor Graphics |
|                   | Cel N3150  | 4          | 4            | 1.6 GHz        | 2.08 GHz        | 2MB   | LPDDR3-1600  |   |  | Intel HD graphics  |
|                   | Cel N3160  | 4          | 4            | 1.6 GHz        | 2.24 GHz        | 2MB   | LPDDR3-1600  | Intel HD graphics   |  |                    |
| Graphics          | Intel HD Graphics in processor, supports external digital monitor via HDMI™; supports dual independent display; Max resolution: 1920X1080 (HDMI) @30Hz |            |              |                |                 |       |              | Media reader  | 4-in-1 reader (MMC, SD, SDHC, SDXC)  |                    |
|                   |  |            |              |                |                 |       |              | Ports   | Two USB 3.0 (one Always On), HDMI  |                    |
|                   |  |            |              |                |                 |       |              | Control buttons   | Power button, volume control button  |                    |
|                   |  |            |              |                |                 |       |              | Camera  | HD720p resolution, low light sensitive, fixed focus  |                    |
|                   |  |            |              |                |                 |       |              | Audio support   | Realtek® ALC5650 codec / stereo speakers, 2W x 2 / monaural digital microphone, combo audio/microphone jack  |                    |
| Chipset           | Intel SoC (System on Chip) platform  |            |              |                |                 |       |              | Keyboard  | ThinkPad Chrome keyboard, 6-row, multimedia Fn keys  |                    |
| Memory            | 2GB or 4GB / 1600MHz LPDDR3 / soldered to systemboard, no sockets  |            |              |                |                 |       |              | UltraNav™   | Buttonless touchpad below keyboard, multi-touch  |                    |
| Display           | 11.6" (295mm) HD (1366x768), glare, LED backlight, IPS<br>200 nits, 16:9 aspect ratio, 800:1 contrast ratio  |            |              |                |                 |       |              | Security  | Security keyhole   |                    |
| MultiTouch        | Yes, support 10 fingers  |            |              |                |                 |       |              | Security chip   | Trusted Platform Module, TCG 1.2-compliant   |                    |
| Hinge             | Yoga hinge, 360 degree   |            |              |                |                 |       |              | vPro  | None   |                    |
| Convertible mode  | Laptop, tent, stand and tablet   |            |              |                |                 |       |              | Fingerprint reader  | None   |                    |
| Pen               | None   |            |              |                |                 |       |              | Battery   | Integrated Lithium Polymer 3-cell (42Wh)   |                    |
| Storage           | 16GB eMMC (embedded Multi Media Card) flash memory on board  |            |              |                |                 |       |              | Max battery life <sup>10</sup>  | Up to 12 hr  |                    |
| Optical           | None   |            |              |                |                 |       |              | AC adapter  | 45-watt AC adapter   |                    |
| Ethernet          | None   |            |              |                |                 |       |              | Preload   | Google Chrome OS   |                    |
| WLAN <sup>4</sup> | 11ac+BT, Intel Dual Band Wireless-AC 7265, 2x2, M.2 card   |            |              |                |                 |       |              | Limited warranty <sup>12</sup>  | 1-year depot repair service  |                    |
| Bluetooth™        | Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter  |            |              |                |                 |       |              | Mil-Spec test   | MIL-STD-810G military certification  |                    |
| WWAN              | None   |            |              |                |                 |       |              | Environment   | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant  |                    |

## ThinkPad Yoga 11e Chromebook (3rd Gen) - TopSeller - 20GE

Product Specifications Reference (PSREF)

| Model      | Region | Processor     | Graphics | Memory | Display                 | Multi-touch          | Storage   | Optical | WLAN + Bluetooth           | Color | Camera | Pen  | Finger-print Reader | Battery       | Power Adapter | Operating System | Warranty      | Global | Ann Date (m/y) |
|------------|--------|---------------|----------|--------|-------------------------|----------------------|-----------|---------|----------------------------|-------|--------|------|---------------------|---------------|---------------|------------------|---------------|--------|----------------|
| 20GE0002US | US     | Celeron N3150 | Intel HD | 4GBx1  | 11.6" HD (1366x768) IPS | 10-point Multi-touch | 16GB eMMC | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | None | None                | 3-cell (42Wh) | 45W           | Chrome OS        | 1-year, Depot | No     | 03/16          |
| 20GE0003US | US     | Celeron N3160 | Intel HD | 4GBx1  | 11.6" HD (1366x768) IPS | 10-point Multi-touch | 16GB eMMC | None    | Intel 7265 ac, 2x2 + BT4.0 | Black | 720p   | None | None                | 3-cell (42Wh) | 45W           | Chrome OS        | 1-year, Depot | No     | 10/16          |





# ThinkPad Yoga 11e Chromebook (4<sup>th</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

|                  |   |            |              |                |                        |       |                   |                       |                    |   |
|------------------|---|------------|--------------|----------------|------------------------|-------|-------------------|-----------------------|--------------------|---|
| Processor        | Intel® Celeron® processor   |            |              |                |                        |       |                   |                       | Media reader       | 3-in-1 reader (SD, SDHC, SDXC)  |
|                  | Processor Number  | # of Cores | # of Threads | Base Frequency | Burst Frequency        | Cache | Memory Controller | Processor Graphics    | Ports              | Two USB 3.1 Type-C Gen 1, one USB 3.1 Gen 1 / USB 3.0   |
|                  | Cel N3450   | 4          | 4            | 1.1 GHz        | 2.2 GHz                | 2MB   | LPDDR4-2400       | Intel HD graphics 500 | Control buttons    | Power button, volume control button   |
| Graphics         | Intel HD Graphics 500 in processor  |            |              |                |                        |       |                   |                       | Camera             | HD720p resolution, low light sensitive, fixed focus   |
| Chipset          | Intel SoC (System on Chip) platform   |            |              |                |                        |       |                   |                       | Audio support      | HD Audio, DA7219 codec / stereo speakers, 2W x 2 / monaural microphone, combo audio/microphone jack |
| Memory           | 4GB or 8GB 3200MHz LPDDR4 / soldered to systemboard, no sockets<br>* System clocks down for processors with lower memory controller |            |              |                |                        |       |                   |                       | Keyboard           | ThinkPad Chrome keyboard, 6-row, multimedia Fn keys   |
| Display          | 11.6" (295mm) HD (1366x768), anti-glare, LED backlight, IPS<br>250 nits, 16:9 aspect ratio, 800:1 contrast ratio                    |            |              |                |                        |       |                   |                       | UltraNav™          | Two buttons click pad below keyboard, multi-touch   |
| MultiTouch       | Yes, support 10 fingers   |            |              |                |                        |       |                   |                       | Security           | Power-on password, hard disk password, supervisor password, security keyhole                        |
| Hinge            | Yoga hinge, 360 degree  |            |              |                |                        |       |                   |                       | Security chip      | None  |
| Convertible mode | Laptop, tent, stand and tablet  |            |              |                |                        |       |                   |                       | vPro               | None  |
| Pen              | Some: Active pen, batteries required  |            |              |                |                        |       |                   |                       | Fingerprint reader | None  |
| Storage          | 32GB eMMC (embedded Multi Media Card) flash memory on board   |            |              |                |                        |       |                   |                       | Battery            | Integrated Lithium Polymer 3-cell (42Wh)  |
| Optical          | None  |            |              |                |                        |       |                   |                       | Max battery life   | Up to 10 hr   |
| Ethernet         | None  |            |              |                |                        |       |                   |                       | AC adapter         | 45-watt USB Type-C adapter  |
| WLAN             | 11ac+BT, Intel Dual Band Wireless-AC 7265, 2x2, M.2 card  |            |              |                |                        |       |                   |                       | Preload            | Google Chrome OS  |
| Bluetooth™       | Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter   |            |              |                |                        |       |                   |                       | Limited warranty   | • 1-year depot repair service   |
| WWAN             | None  |            |              |                |                        |       |                   |                       | Mil-Spec test      | MIL-STD-810G military certification   |
| Dimensions       | WxDxH: 11.81" x 8.27" x 0.92"; 300mm x 210mm x 23.4mm   |            |              |                |                        |       |                   |                       | Environment        | EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant   |
| Weight           | from 3.5 lb (1.59kg)  |            |              |                |                        |       |                   |                       |                    |   |
| Case color       | Display cover: Graphite Black;  |            |              |                | Bottom: Graphite Black |       |                   |                       |                    |   |
| Case material    | Display cover: PC+40%GF+TPU;  |            |              |                | Bottom: PC+ABS         |       |                   |                       |                    |   |

Lenovo  
July 2017

# ThinkPad Yoga 11e Chromebook (4th Gen) - TopSeller - 20HY

Product Specifications Reference (PSREF)

| Model      | Region | Processor     | Graphics     | Memory       | Display                 | Multi-touch          | Color | Storage   | Optical | WLAN + Bluetooth           | Camera | Pen  | Finger-print Reader | Battery       | Power Adapter | Operating System | Warranty      | Global | Ann Date (m/y) |
|------------|--------|---------------|--------------|--------------|-------------------------|----------------------|-------|-----------|---------|----------------------------|--------|------|---------------------|---------------|---------------|------------------|---------------|--------|----------------|
| 20HY0000US | US     | Celeron N3450 | Intel HD 500 | 4GB Soldered | 11.6" HD (1366x768) IPS | 10-point Multi-touch | Black | 32GB eMMC | None    | Intel 7265 ac, 2x2 + BT4.2 | 720p   | None | None                | 3-cell (42Wh) | 45W           | Chrome OS        | 1-year, Depot | No     | 04/17          |



# ThinkPad Yoga 370 Platform Specifications

Product Specifications Reference (PSREF)

|                          |   |            |              |                |                     |       |              |   |  |                       |
|--------------------------|---|------------|--------------|----------------|---------------------|-------|--------------|---|--|-----------------------|
| Processor                | 7th Generation Intel® Core™ i3 / i5 / i7 Processor  |            |              |                |                     |       |              | Dimensions<br>Weight<br>Case color<br>Case Material | <i>WxDxH:</i> 12.34" x 8.75" x 0.72"; 313.5mm x 222.2mm x 18.2mm<br>Starting at 3.03 lb (1.37kg)<br>Black or silver<br>Carbon-Fiber Hybrid   |                       |
|                          | Processor Number  | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types |   |  | Processor Graphics    |
|                          | i3-7100U  | 2          | 4            | 2.4 GHz        | -                   | 3MB   | DDR4-2133    |   |  | Intel HD Graphics 620 |
|                          | i5-7200U  |            |              | 2.5 GHz        | 3.1 GHz             | 3MB   |              |   |  |                       |
|                          | i5-7300U  |            |              | 2.6 GHz        | 3.5 GHz             | 3MB   |              |   |  |                       |
|                          | i7-7500U  |            |              | 2.7 GHz        | 3.5 GHz             | 4MB   |              |   |  |                       |
| i7-7600U                 | 2.8 GHz   |            |              | 3.9 GHz        | 4MB                 |       |              |   |  |                       |
| Graphics                 | Intel HD Graphics 620 in processor only; supports external digital monitor via HDMI; supports dual independent display; Max resolution: 4096x2160 (HDMI) @24Hz  |            |              |                |                     |       |              | Smart card reader                                   | <i>Optional:</i> Smart card reader (mutually exclusive with NFC)   |                       |
| Chipset                  | Intel SoC (System on Chip) platform   |            |              |                |                     |       |              | Media reader  | One microSD card slot (microSD, microSDHC, microSDXC), UHS-I   |                       |
| Memory                   | <i>WWAN model:</i> 8GB 2133MHz DDR4 soldered to systemboard<br><i>Non-WWAN model:</i> 16GB max / 2133MHz DDR4, one DDR4 SO-DIMM socket  |            |              |                |                     |       |              | Ports   | Two USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet extension connector  |                       |
| Display                  | 13.3" (337.8mm) FHD (1920x1080), glossy, LED backlight, IPS 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle   |            |              |                |                     |       |              | WiGig dock  | <i>Optional:</i> ThinkPad WiGig dock   |                       |
| Multi-touch              | Capacitive-type multi-touch, AR (anti-reflection), AS (anti-smudge), supports 10-finger gesture   |            |              |                |                     |       |              | Monitor cable ( <i>optional</i> )                   | <i>USB-C to VGA:</i> Lenovo USB C to VGA Plus Power Adapter<br><i>USB-C to DP:</i> Lenovo USB-C to DisplayPort Adapter<br><i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter   |                       |
| Hinge                    | Yoga hinge, 360 degree  |            |              |                |                     |       |              | Camera  | HD720p resolution, fixed focus   |                       |
| Convert-mode             | Laptop, tent, stand, yoga and tablet  |            |              |                |                     |       |              | Audio support                                       | HD Audio, Conexant® CX11771 codec, Dolby® DAXII / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack   |                       |
| Pen                      | ThinkPad Pen Pro, active pen for multi-touch display, on-board charging   |            |              |                |                     |       |              | Keyboard  | 6-row, spill-resistant, multimedia Fn keys, LED backlight  |                       |
| Storage                  | <i>Some:</i> M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)<br><i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)   |            |              |                |                     |       |              | UltraNav™   | TrackPoint® pointing device and 3+2 buttons Mylar surface multi-touch click pad  |                       |
| Optical                  | None  |            |              |                |                     |       |              | Security  | Power-on password, hard disk password, supervisor password, security keyhole   |                       |
| Ethernet                 | Native Intel Ethernet Connection I219-V ( <i>Non-vPro</i> ) or I219-LM ( <i>vPro</i> ) via optional ThinkPad Ethernet Extension Cable   |            |              |                |                     |       |              | Security chip                                       | Discrete TPM 2.0 TCG Certified   |                       |
| WLAN                     | <i>One of the following, configurable by model (WiGig is mutually exclusive with WWAN):</i> <ul style="list-style-type: none"> <li>Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> <li>Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> </ul> <i>* WiGig adapter is only available in selected countries*</i> |            |              |                |                     |       |              | vPro ( <i>optional</i> )                            | Intel vPro Technology  |                       |
| Bluetooth™               | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br><i>* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS</i>   |            |              |                |                     |       |              | Fingerprint reader                                  | <i>Optional:</i> Touch style match on chip fingerprint reader on the palm rest   |                       |
| WWAN ( <i>optional</i> ) | Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)<br><i>*WWAN models are only available with i5, i7 processors, WWAN models is not available in North America*</i>  |            |              |                |                     |       |              | NFC ( <i>optional</i> )                             | Near Field Communication (mutually exclusive with smart card reader)   |                       |
| SIM card ( <i>opt</i> )  | Micro-SIM card slot, optional Lenovo Connect (EMEA) SIM card  |            |              |                |                     |       |              | Battery   | Li-Polymer 4-cell (51Wh) battery   |                       |
| Dimensions               | <i>WxDxH:</i> 12.34" x 8.75" x 0.72"; 313.5mm x 222.2mm x 18.2mm  |            |              |                |                     |       |              | Max battery life                                    | <i>MobileMark® 2014:</i> 12.5 hr   |                       |
| Weight                   | Starting at 3.03 lb (1.37kg)  |            |              |                |                     |       |              | AC adapter  | 45W or 65W AC adapter (slim tip), 65W USB Type-C AC adapter  |                       |
| Case color               | Black or silver   |            |              |                |                     |       |              | Light sensor  | Ambient Light Sensor   |                       |
| Case Material            | Carbon-Fiber Hybrid   |            |              |                |                     |       |              | G-sensor/<br>eCompass                               | 3D accelerometer and 3D magnetometer   |                       |
|                          |   |            |              |                |                     |       |              | Gyroscope   | 3D compass<br>3D gyrometer   |                       |
|                          |   |            |              |                |                     |       |              | Preload   | <i>Some:</i> Windows 10 Home 64<br><i>Some:</i> Windows 10 Pro 64 <ul style="list-style-type: none"> <li>Lenovo Connect</li> <li>Lenovo Companion</li> <li>Lenovo Setting</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> </ul> |                       |
|                          |   |            |              |                |                     |       |              | Limited warranty                                    | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>                      |                       |
|                          |   |            |              |                |                     |       |              | Mil-Spec test                                       | MIL-STD-810G military certification  |                       |
|                          |   |            |              |                |                     |       |              | Environment   | EPPEAT™ Gold (US only); ENERGY STAR®; RoHS-compliant   |                       |

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                   | Case Material | Storage(HDD/SSD)              | WLAN + Bluetooth           | WWAN | SIM Card | Smart Card Reader | Dock | Monitor Cable | Adapter | Color  | Pen     | Fingerprint Reader | NFC  | TPM      | Power Adapter | Operating System | Warranty      | Global | End of Support | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|--------|---------------------------|---------------|-------------------------------|----------------------------|------|----------|-------------------|------|---------------|---------|--------|---------|--------------------|------|----------|---------------|------------------|---------------|--------|----------------|------------------|
| 20JH001VUS | US     | i5-7300U  | vPro | Intel HD 620 | 16GBx1 | 13.3" FHD (1920x1080) IPS | Carbon        | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Silver | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH001WUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Silver | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH001XUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Silver | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH001YUS | US     | i7-7600U  | vPro | Intel HD 620 | 16GBx1 | 13.3" FHD (1920x1080) IPS | Carbon        | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Silver | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH0020US | US     | i7-7500U  | No   | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Silver | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH0021US | US     | i7-7500U  | No   | Intel HD 620 | 16GBx1 | 13.3" FHD (1920x1080) IPS | Carbon        | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Silver | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH0022US | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Silver | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH0023US | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 128GB SSD M.2 SATA3           | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Silver | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH0024US | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Black  | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH0025US | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 128GB SSD M.2 SATA3           | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Black  | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH0026US | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Black  | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH0027US | US     | i7-7500U  | No   | Intel HD 620 | 16GBx1 | 13.3" FHD (1920x1080) IPS | Carbon        | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Black  | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH0028US | US     | i7-7500U  | No   | Intel HD 620 | 16GBx1 | 13.3" FHD (1920x1080) IPS | Carbon        | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Black  | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH0029US | US     | i7-7600U  | vPro | Intel HD 620 | 16GBx1 | 13.3" FHD (1920x1080) IPS | Carbon        | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Black  | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH002AUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Black  | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH002BUS | US     | i5-7300U  | vPro | Intel HD 620 | 16GBx1 | 13.3" FHD (1920x1080) IPS | Carbon        | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Black  | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH002CUS | US     | i5-7200U  | No   | Intel HD 620 | 4GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Black  | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH002DUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Black  | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH002FUS | US     | i7-7500U  | No   | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 256GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Black  | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH002GUS | US     | i5-7300U  | vPro | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Black  | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |

| Model      | Region | Processor | vPro | Graphics     | Memory | Display                   | Case Material | Storage(HDD/SSD)              | WLAN + Bluetooth           | WWAN | SIM Card | Smart Card Reader | Dock | Monitor Cable | Adapter | Color  | Pen     | Fingerprint Reader | NFC  | TPM      | Power Adapter | Operating System | Warranty      | Global | End of Support | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|--------|---------------------------|---------------|-------------------------------|----------------------------|------|----------|-------------------|------|---------------|---------|--------|---------|--------------------|------|----------|---------------|------------------|---------------|--------|----------------|------------------|
| 20JH002JUS | US     | i7-7600U  | vPro | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 512GB SSD M.2 PCIe NVMe Opal2 | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Black  | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 1-year, Depot | No     | Apr 14, 2023   | 03/17            |
| 20JH002WUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 180GB SSD M.2 SATA3 Opal2     | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Black  | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 3-year, Depot | No     | Mar 14, 2022   | 03/17            |
| 20JH002XUS | US     | i5-7200U  | No   | Intel HD 620 | 8GBx1  | 13.3" FHD (1920x1080) IPS | Carbon        | 180GB SSD M.2 SATA3 Opal2     | Intel 8265 ac, 2x2 + BT4.1 | None | None     | None              | None | None          | None    | Silver | Pen Pro | Fingerprint Reader | None | dTPM 2.0 | 45W           | Win10 Pro 64     | 3-year, Depot | No     | Mar 14, 2022   | 03/17            |

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**Included software:** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

**Battery life:** Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

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**Product Specifications Reference**

Version 512, September 2017

**U.S.**

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# Summary of Changes

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This section describes the technical changes made in this edition.

This edition might also include minor corrections and editorial changes which are not identified.

## September 2017 - Version 512

### Additions in this update

▶ **New product(s)**

None

▶ **New model(s)**

ThinkCentre M910 Tiny new models announce September 2017

ThinkCentre M710 Tiny new models announce September 2017

ThinkCentre M710 SFF new models announce September 2017

ThinkCentre M910 SFF new models announce September 2017

▶ **Others**

None

### Withdrawals in this update

▶ **Withdrawn product(s)**

ThinkCentre M700 Tiny withdrawn September 2017

ThinkCentre M900 Tiny withdrawn September 2017

ThinkCentre M79 SFF withdrawn September 2017

ThinkCentre M700 SFF withdrawn September 2017

ThinkCentre M800 SFF withdrawn September 2017

ThinkCentre M900 SFF withdrawn September 2017

ThinkCentre M79 Tower withdrawn September 2017

ThinkCentre M700 Tower withdrawn September 2017

ThinkCentre M800 Tower withdrawn September 2017

ThinkCentre M900 Tower withdrawn September 2017

ThinkCentre M700z AIO withdrawn September 2017

ThinkCentre M800z AIO withdrawn September 2017

ThinkCentre M900z AIO withdrawn September 2017

▶ **Withdrawn model(s)**

None



# ThinkCentre M810z Platform Specifications

Product Specifications Reference (PSREF)

|                               |  |   |                         |  |                        |   |   |
|-------------------------------|--|---|-------------------------|--|------------------------|---|---|
| Processor                     | Intel® Celeron®, Intel Pentium®, or 6th / 7th Gen Intel Core™ i3 / i5 / i7 Processor   |   |                         |  |                        |   | <b>Security features</b> <ul style="list-style-type: none"> <li>Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Optional cable lock to physically lock keyboard and mouse</li> <li>Power-on, admin, hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional Chassis intrusion switch</li> </ul> |
|                               | Processor  | Cores / Threads                                   | Frequency Base/Max(GHz) | Cache  | Memory Support (Up to) | Integrated Graphics   |   |
|                               | Pentium G4400  | 2 / 2   | 3.3G                    | 3 MB   | DDR4-2133              | HD 510  |   |
|                               | Pentium G4560  | 2 / 4   | 3.5G                    | 3 MB   | DDR4-2400              | HD 610  |   |
|                               | Pentium G4600  | 2 / 4   | 3.6G                    | 3 MB   | DDR4-2400              | HD 630  |   |
|                               | Core i3-6100   | 2 / 4   | 3.7G                    | 3 MB   | DDR4-2133              | HD 530  |   |
|                               | Core i5-6500   | 4 / 4   | 3.2G / 3.6G             | 6 MB   | DDR4-2133              | HD 530  |   |
|                               | Core i7-6700   | 4 / 8   | 3.4G / 4.0G             | 8 MB   | DDR4-2133              | HD 530  |   |
|                               | Core i3-7100   | 2 / 4   | 3.9G                    | 3 MB   | DDR4-2400              | HD 630  |   |
|                               | Core i5-7400   | 4 / 4   | 3.0G / 3.5G             | 6 MB   | DDR4-2400              | HD 630  |   |
| Core i5-7500                  | 4 / 4  | 3.4G / 3.8G                                       | 6 MB                    | DDR4-2400  | HD 630                 |   |   |
| Core i5-7600                  | 4 / 4  | 3.5G / 4.1G                                       | 6 MB                    | DDR4-2400  | HD 630                 |   |   |
| Core i7-7700                  | 4 / 8  | 3.6G / 4.2G                                       | 8 MB                    | DDR4-2400  | HD 630                 |   |   |
| Memory                        | 32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, dual-channel capable<br>* System clocks down for the processors with lower memory controller  |   |                         |  |                        |   |   |
| Storage                       | <i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"<br><i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s<br><i>Some:</i> Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2<br><i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.5mm)  |   |                         |  |                        |   |   |
| Optical                       | <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.5mm)   |   |                         |  |                        |   |   |
| Media reader                  | Optional 9-in-1 media card reader  |   |                         |  |                        |   |   |
| Graphics                      | <b>Intel HD Graphics 510/530/610/630</b> in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™;<br><i>Max resolution:</i> 4096x2304 (DP)@60Hz, 1920x1080 (Panel)@60Hz   |   |                         |  |                        |   |   |
| Display                       | <b>21.5"</b> (546.1mm) <b>Full HD 1080p (1920x1080) TFT color</b> , MVA panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, support Low Blue Light Mode  |   |                         |  |                        |   |   |
| Multi-touch                   | Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch  |   |                         |  |                        |   |   |
| Camera                        | Optional 1080p camera, fixed focus, with dual microphone, LED indicator, physical switch on/off  |   |                         |  |                        |   |   |
| Controls                      | Physical buttons for Microphone mute, brightness up/down, and power on/off   |   |                         |  |                        |   |   |
| Chipset                       | <b>Intel B250 Chipset</b>  |   |                         |  |                        |   |   |
| Rear ports                    | Four USB 3.1 Gen1, ethernet (RJ-45), DisplayPort, optional serial (9-pin),   |   |                         |  |                        |   |   |
| Side ports                    | Two USB 3.1 Gen1 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm)   |   |                         |  |                        |   |   |
| M.2 card slot                 | Two M.2 Card slots (one for WLAN, one for SSD/Optane)  |   |                         |  |                        |   |   |
| Audio support                 | High Definition (HD) Audio, Realtek ALC233 / two internal speakers (2W x 2), Dolby® Audio™ certified   |   |                         |  |                        |   |   |
| WLAN <sup>13</sup>            | <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 |   |                         |  |                        |   |   |
| Bluetooth™                    | <i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter   |   |                         |  |                        |   |   |
| Ethernet                      | Gigabit ethernet, Realtek RTL8111G, Wake on LAN®   |   |                         |  |                        |   |   |
| Manageability                 | None   |   |                         |  |                        |   |   |
| Security chip                 | TPM (Trusted Platform Module) 2.0, TCG Certified<br>* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS  |   |                         |  |                        |   |   |
| Keyboard                      | <i>Some:</i> Lenovo Calliope Keyboard (USB connector), black<br><i>Some:</i> Lenovo Traditional Keyboard (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black   |   |                         |  |                        |   |   |
| Mouse                         | <i>Some:</i> Lenovo Calliope Mouse (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black  |   |                         |  |                        |   |   |
| Mechanical                    | <ul style="list-style-type: none"> <li>Business black color</li> <li>Toolless stand</li> <li>Support VESA mount (100mm)</li> </ul>   |   |                         |  |                        |   |   |
|                               |  | Dimensions (WxDxH)                                |                         | Max weight (lb / kg)   |                        | Adjustments   |   |
|                               | Without stand:   | 21.1 X 1.8 X 14.3 (inch);<br>535 X 45 X 363 (mm)  |                         | (Touch) 14.6 / 6.6<br>(Non-touch) 12.8 / 5.8   |                        | N/A   |   |
|                               | With Basic Monitor stand:  | 21.1 X 9.6 X 17.0 (inch);<br>535 X 245 X 431 (mm) |                         | (Non-touch) 17.0 / 7.7   |                        | Tilt: 45° back,<br>-5° forward                                    |   |
|                               | With UltraFlex II stand:   | 21.1X 10.0 X 19.3 (inch);<br>535 X 253 X 489 (mm) |                         | (Touch) 20.3 / 9.2<br>(Non-touch) 18.3 / 8.3   |                        | Tilt: 61° back,<br>-5° forward;<br>Lift: 110mm;<br>Swivel: +/-45° |   |
| Power supply                  | 150 watts, autosensing, 85% PSU  |   |                         |  |                        |   |   |
| Limited warranty <sup>3</sup> | <i>Some:</i> <b>1-year or 3-year, depot repair service</b> / service upgrades available<br><i>Some:</i> <b>1-year or 3-year, limited onsite service</b> / service upgrades available   |   |                         |  |                        |   |   |
| Preload                       | <b>Preloaded operating system</b><br><i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit<br><i>Some:</i> Windows 10 Pro 64-bit<br><i>Some:</i> Windows 10 Home 64-bit  |   |                         | <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Cyberlink PowerDVD Create (DVD±RW)</li> <li>- Only for Window 10               <ul style="list-style-type: none"> <li>Lenovo Companion</li> <li>Lenovo ID</li> <li>Lenovo Settings</li> <li>Cyberlink PowerDVD (DVD, DVD±RW)</li> </ul> </li> <li>- Only for Window 7               <ul style="list-style-type: none"> <li>Lenovo Solution Center</li> <li>Lenovo ThinkVantage Tools</li> <li>ThinkVantage System Update</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> </ul> </li> </ul> |                        |   |   |
| Environment                   | EPEAT™ Gold rating (North America); ENERGY STAR® 6.1; TCO AIO Computer Certified; ErP Lot 3; GREENGUARD® certified; RoHS-compliant   |   |                         |  |                        |   |   |
| MIL-SPEC test                 | MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)   |   |                         |  |                        |   |   |
| Accessories                   | For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>   |   |                         |  |                        |   |   |

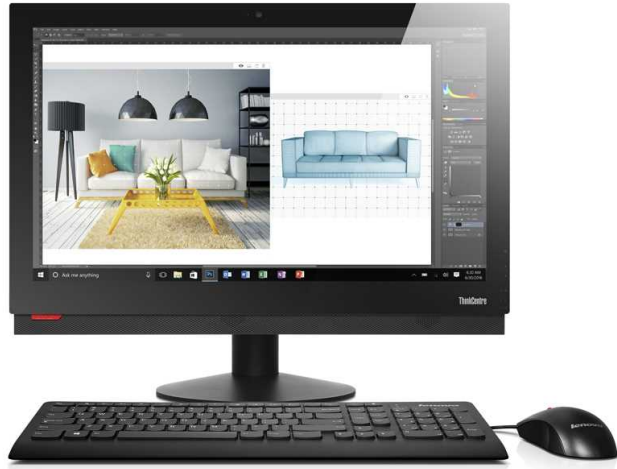
See footnotes for more detailed information

| Model      | Region | Processor     | Graphics     | Monitor Cable | Memory | Display                      | Multi-touch          | Power Supply     | Storage(HDD/SSD)             | Optical | Media Reader | USB Type-C | WLAN + Bluetooth     | Optional Rear Ports | Camera | Chassis Intrusion Switch | Cable Lock | Keyboard / Mouse | Stand              | Operating System | Warranty       | End of Support | Ann Date (m/y) |
|------------|--------|---------------|--------------|---------------|--------|------------------------------|----------------------|------------------|------------------------------|---------|--------------|------------|----------------------|---------------------|--------|--------------------------|------------|------------------|--------------------|------------------|----------------|----------------|----------------|
| 10NX0000US | US     | i5-7400       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 256GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NX0001US | US     | i5-7500       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 256GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NX0002US | US     | i5-7400       | Intel HD 630 | None          | 4GBx1  | 21.5" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 500GB 7200rpm 2.5" PCIe NVMe | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NX0003US | US     | i7-7700       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 512GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NX0005US | US     | i7-7700       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 500GB 7200rpm 2.5" PCIe NVMe | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NX0006US | US     | i5-7400       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 500GB 7200rpm 2.5" PCIe NVMe | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NX0007US | US     | i5-7500       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 500GB 7200rpm 2.5" PCIe NVMe | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NX0008US | US     | i7-7700       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 256GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NX0009US | US     | i5-7500       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 512GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NX000MUS | US     | i5-7400       | Intel HD 630 | None          | 4GBx1  | 21.5" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | May 7, 2023    | 04/17          |
| 10NX000NUS | US     | i5-7500       | Intel HD 630 | None          | 4GBx1  | 21.5" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | May 7, 2023    | 04/17          |
| 10NX000PUS | US     | Pentium G4560 | Intel HD 610 | None          | 4GBx1  | 21.5" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 500GB 7200rpm 2.5" PCIe NVMe | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | May 7, 2023    | 04/17          |
| 10NX000QUS | US     | i3-7100       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 500GB 7200rpm 2.5" PCIe NVMe | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | May 7, 2023    | 04/17          |
| 10NX000RUS | US     | i3-7100       | Intel HD 630 | None          | 4GBx1  | 21.5" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 500GB 7200rpm 2.5" PCIe NVMe | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | May 7, 2023    | 04/17          |

| Model      | Region | Processor     | Graphics     | Monitor Cable | Memory | Display                      | Multi-touch | Power Supply     | Storage(HDD/SSD)          | Optical | Media Reader | USB Type-C | WLAN + Bluetooth     | Optional Rear Ports | Camera | Chassis Intrusion Switch | Cable Lock | Keyboard / Mouse | Stand              | Operating System     | Warranty       | End of Support | Ann Date (m/y) |
|------------|--------|---------------|--------------|---------------|--------|------------------------------|-------------|------------------|---------------------------|---------|--------------|------------|----------------------|---------------------|--------|--------------------------|------------|------------------|--------------------|----------------------|----------------|----------------|----------------|
| 10NY0002US | US     | i5-7500       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 512GB SSD M.2 PCIe NVMe   | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NY0003US | US     | i7-7700       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 512GB SSD M.2 PCIe NVMe   | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NY0004US | US     | i5-7500       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 256GB SSD M.2 PCIe NVMe   | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NY0005US | US     | i7-7700       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NY0006US | US     | i5-7400       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NY0007US | US     | i5-7500       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NY0008US | US     | i5-7400       | Intel HD 630 | None          | 4GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NY0009US | US     | i5-7400       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 256GB SSD M.2 PCIe NVMe   | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NY000BUS | US     | i7-7700       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 256GB SSD M.2 PCIe NVMe   | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NY000CUS | US     | i5-7500       | Intel HD 630 | None          | 4GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Apr 7, 2023    | 03/17          |
| 10NY000QUS | US     | Pentium G4400 | Intel HD 510 | None          | 4GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NY000RUS | US     | i5-6500       | Intel HD 530 | None          | 4GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NY000SUS | US     | i5-7400       | Intel HD 630 | None          | 4GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 128GB SSD M.2 PCIe NVMe   | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | May 7, 2023    | 04/17          |
| 10NY000TUS | US     | i5-6500       | Intel HD 530 | None          | 4GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 128GB SSD M.2 PCIe NVMe   | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NY000UUS | US     | i7-6700       | Intel HD 530 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 512GB SSD M.2 PCIe NVMe   | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NY000VUS | US     | i7-6700       | Intel HD 530 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NY000WUS | US     | i7-6700       | Intel HD 530 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 256GB SSD M.2 PCIe NVMe   | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NY000XUS | US     | i5-6500       | Intel HD 530 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 256GB SSD M.2 PCIe NVMe   | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NY000YUS | US     | i3-6100       | Intel HD 530 | None          | 4GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NY0010US | US     | i3-6100       | Intel HD 530 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |

| Model      | Region | Processor     | Graphics     | Monitor Cable | Memory | Display                      | Multi-touch | Power Supply     | Storage(HDD/SSD)             | Optical | Media Reader | USB Type-C | WLAN + Bluetooth     | Optional Rear Ports | Camera | Chassis Intrusion Switch | Cable Lock | Keyboard / Mouse | Stand              | Operating System     | Warranty       | End of Support | Ann Date (m/y) |
|------------|--------|---------------|--------------|---------------|--------|------------------------------|-------------|------------------|------------------------------|---------|--------------|------------|----------------------|---------------------|--------|--------------------------|------------|------------------|--------------------|----------------------|----------------|----------------|----------------|
| 10NY0011US | US     | i5-7500       | Intel HD 630 | None          | 4GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | May 7, 2023    | 04/17          |
| 10NY0012US | US     | i5-6500       | Intel HD 530 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" PCIe NVMe | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NY0013US | US     | Pentium G4560 | Intel HD 610 | None          | 4GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" PCIe NVMe | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | May 7, 2023    | 04/17          |
| 10NY0014US | US     | i3-7100       | Intel HD 630 | None          | 8GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" PCIe NVMe | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | May 7, 2023    | 04/17          |
| 10NY0015US | US     | i3-7100       | Intel HD 630 | None          | 4GBx1  | 21.5" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" PCIe NVMe | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2 + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | May 7, 2023    | 04/17          |





# ThinkCentre M910z Platform Specifications

Product Specifications Reference (PSREF)

| Processor                 | Intel® Celeron®, Intel Pentium®, or 6th / 7th Gen Intel Core™ i3 / i5 / i7 Processor  | Security chip                                 | TPM (Trusted Platform Module) 2.0, TCG Certified<br>* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS   |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
|---------------------------|---|---|---|-------------------------|---------------------|------------------------|---------------------|----------------|--|--|------|---------------------------|---|------------------------|--------------------------------|--------------------------|---|---|---|--------------|-------|-------------|------|-----------|--------|--------------|-------|-------------|------|-----------|--------|--------------|-------|-------------|------|-----------|--------|--------------|-------|-------------|------|-----------|--------|-------------------|--|
|                           | <table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency Base/Max(GHz)</th> <th>Cache</th> <th>Memory Support (Up to)</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Core i5-6500</td> <td>4 / 4</td> <td>3.2G / 3.6G</td> <td>6 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i7-6700</td> <td>4 / 8</td> <td>3.4G / 4.0G</td> <td>8 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i5-7400</td> <td>4 / 4</td> <td>3.0G / 3.5G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7500</td> <td>4 / 4</td> <td>3.4G / 3.8G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7600</td> <td>4 / 4</td> <td>3.5G / 4.1G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i7-7700</td> <td>4 / 8</td> <td>3.6G / 4.2G</td> <td>8 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> </tbody> </table> | Processor                                     | Cores / Threads   | Frequency Base/Max(GHz) | Cache               | Memory Support (Up to) | Integrated Graphics | Core i5-6500   | 4 / 4  | 3.2G / 3.6G                                  | 6 MB | DDR4-2133                 | HD 530  | Core i7-6700           | 4 / 8                          | 3.4G / 4.0G              | 8 MB  | DDR4-2133                                     | HD 530  | Core i5-7400 | 4 / 4 | 3.0G / 3.5G | 6 MB | DDR4-2400 | HD 630 | Core i5-7500 | 4 / 4 | 3.4G / 3.8G | 6 MB | DDR4-2400 | HD 630 | Core i5-7600 | 4 / 4 | 3.5G / 4.1G | 6 MB | DDR4-2400 | HD 630 | Core i7-7700 | 4 / 8 | 3.6G / 4.2G | 8 MB | DDR4-2400 | HD 630 | Security features | <ul style="list-style-type: none"> <li>Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Optional cable lock to physically lock keyboard and mouse</li> <li>Power-on, admin, hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional Chassis intrusion switch</li> </ul> |
| Processor                 | Cores / Threads   | Frequency Base/Max(GHz)                       | Cache   | Memory Support (Up to)  | Integrated Graphics |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Core i5-6500              | 4 / 4   | 3.2G / 3.6G                                   | 6 MB  | DDR4-2133               | HD 530              |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Core i7-6700              | 4 / 8   | 3.4G / 4.0G                                   | 8 MB  | DDR4-2133               | HD 530              |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Core i5-7400              | 4 / 4   | 3.0G / 3.5G                                   | 6 MB  | DDR4-2400               | HD 630              |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Core i5-7500              | 4 / 4   | 3.4G / 3.8G                                   | 6 MB  | DDR4-2400               | HD 630              |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Core i5-7600              | 4 / 4   | 3.5G / 4.1G                                   | 6 MB  | DDR4-2400               | HD 630              |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Core i7-7700              | 4 / 8   | 3.6G / 4.2G                                   | 8 MB  | DDR4-2400               | HD 630              |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Memory                    | 32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, dual-channel capable<br>* System clocks down for the processors with lower memory controller   | Keyboard                                      | <i>Some:</i> Lenovo Calliope Keyboard (USB connector), black<br><i>Some:</i> Lenovo Traditional Keyboard (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black  |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Storage                   | <i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"<br><i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s<br><i>Some:</i> Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2<br><i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.5mm)<br><i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.5mm)<br>Optional 9-in-1 media card reader  | Mouse   | <i>Some:</i> Lenovo Calliope Mouse (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black   |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Optical                   |   | Mechanical                                    | <ul style="list-style-type: none"> <li>Business black color</li> <li>Toolless back cover, stand, disk, memory removal</li> <li>Support VESA mount (100mm)</li> </ul>  |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Media reader              |   |   | <table border="1"> <thead> <tr> <th></th> <th>Dimensions (WxDxH)</th> <th>Max weight (lb / kg)</th> <th>Adjustments</th> </tr> </thead> <tbody> <tr> <td>Without stand:</td> <td>23.0 X 1.8 X 15.4 (inch);<br/>584 X 45 X 390 (mm)</td> <td>(Touch) 17.2 / 7.8<br/>(Non-touch) 15.0 / 6.8</td> <td>N/A</td> </tr> <tr> <td>With Basic Monitor stand:</td> <td>23.0 X 9.6 X 18.0 (inch);<br/>584 X 245 X 458 (mm)</td> <td>(Non-touch) 19.4 / 8.8</td> <td>Tilt: 45° back,<br/>-5° forward</td> </tr> <tr> <td>With UltraFlex II stand:</td> <td>23.0X 10.0 X 19.9 (inch);<br/>584 X 253 X 505 (mm)</td> <td>(Touch) 22.7 / 10.3<br/>(Non-touch) 20.7 / 9.4</td> <td>Tilt: 61° back,<br/>-5° forward;<br/>Lift: 110mm;<br/>Swivel: +/-45°</td> </tr> </tbody> </table> |                         | Dimensions (WxDxH)  | Max weight (lb / kg)   | Adjustments         | Without stand: | 23.0 X 1.8 X 15.4 (inch);<br>584 X 45 X 390 (mm) | (Touch) 17.2 / 7.8<br>(Non-touch) 15.0 / 6.8 | N/A  | With Basic Monitor stand: | 23.0 X 9.6 X 18.0 (inch);<br>584 X 245 X 458 (mm) | (Non-touch) 19.4 / 8.8 | Tilt: 45° back,<br>-5° forward | With UltraFlex II stand: | 23.0X 10.0 X 19.9 (inch);<br>584 X 253 X 505 (mm) | (Touch) 22.7 / 10.3<br>(Non-touch) 20.7 / 9.4 | Tilt: 61° back,<br>-5° forward;<br>Lift: 110mm;<br>Swivel: +/-45° |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
|                           | Dimensions (WxDxH)  | Max weight (lb / kg)                          | Adjustments   |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Without stand:            | 23.0 X 1.8 X 15.4 (inch);<br>584 X 45 X 390 (mm)  | (Touch) 17.2 / 7.8<br>(Non-touch) 15.0 / 6.8  | N/A   |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| With Basic Monitor stand: | 23.0 X 9.6 X 18.0 (inch);<br>584 X 245 X 458 (mm)   | (Non-touch) 19.4 / 8.8                        | Tilt: 45° back,<br>-5° forward  |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
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| Graphics                  | <b>Intel HD Graphics 510/530/610/630</b> in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™;<br><i>Max resolution:</i> 4096x2304 (DP) @60Hz, 1920x1080 (Panel) @60Hz  | Power supply                                  | 150 watts, autosensing, 85% PSU   |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Display                   | <b>23.8"</b> (604.5mm) <b>Full HD 1080p (1920x1080) TFT color</b> , WVA panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, support Low Blue Light Mode, work as standalone monitor via DisplayPort (DP in / out combo)   | Limited warranty <sup>3</sup>                 | <i>Some:</i> <b>1-year or 3-year, depot repair service</b> / service upgrades available<br><i>Some:</i> <b>1-year or 3-year, limited onsite service</b> / service upgrades available  |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Multi-touch               | Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch   | Preload                                       | <b>Preloaded operating system</b><br><i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit<br><i>Some:</i> Windows 10 Pro 64-bit<br><i>Some:</i> Windows 10 Home 64-bit   |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Camera                    | Optional 1080p camera, fixed focus, with dual microphone, LED indicator, physical switch on/off   |   | <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Cyberlink PowerDVD Create (DVD±RW)</li> <li>- Only for Window 10</li> <li>Lenovo Companion</li> <li>Lenovo ID</li> <li>Lenovo Settings</li> <li>Cyberlink PowerDVD (DVD, DVD±RW)</li> <li>- Only for Window 7</li> <li>Lenovo Solution Center</li> <li>Lenovo ThinkVantage Tools</li> <li>ThinkVantage System Update</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> </ul>  |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Controls                  | Physical buttons for Microphone mute, monitor mode switch, brightness up/down, and power on/off   | Environment                                   | EPEAT™ Gold rating (North America); ENERGY STAR® 6.1; TCO AIO Computer Certified; ULE Gold; ErP Lot 3; GREENGUARD® certified; RoHS-compliant  |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Chipset                   | <b>Intel Q270 Chipset</b>   | MIL-SPEC test                                 | MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)  |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Rear ports                | Four USB 3.1 Gen1, ethernet (RJ-45), DisplayPort in/out combo port, optional serial (9-pin)   | Accessories                                   | For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>  |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Side ports                | Two USB 3.1 Gen1 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm), optional USB 3.1 Type-C Gen1  |   |   |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| M.2 card slot             | Two M.2 Card slots (one for WLAN, one for SSD/Optane)   |   |   |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Audio support             | High Definition (HD) Audio, Realtek ALC233 / two internal speakers (3W x 2), Dolby® Audio™ certified  |   |   |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| WLAN <sup>13</sup>        | <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2   |   |   |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Bluetooth™                | <i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter  |   |   |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Ethernet                  | Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®  |   |   |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |
| Manageability             | Intel Active Management Technology 11.0 (Intel AMT 11.0); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)  |   |   |                         |                     |                        |                     |                |  |  |      |                           |   |                        |                                |                          |   |   |   |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |                   |  |

See footnotes for more detailed information

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| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Display                      | Multi-touch          | Power Supply     | Storage(HDD/SSD)             | Optical | Media Reader | USB Type-C | WLAN + Bluetooth           | Optional Rear Ports | Camera | Chassis Intrusion Switch | Cable Lock | Keyboard / Mouse | Stand              | Operating System | Warranty       | End of Support | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|---------------|--------|------------------------------|----------------------|------------------|------------------------------|---------|--------------|------------|----------------------------|---------------------|--------|--------------------------|------------|------------------|--------------------|------------------|----------------|----------------|----------------|
| 10NR000HUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Mar 28, 2023   | 02/17          |
| 10NR000KUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 512GB SSD M.2 PCIe NVMe Opal | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Mar 28, 2023   | 02/17          |
| 10NR000LUS | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Mar 28, 2023   | 02/17          |
| 10NR000MUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 500GB 7200rpm 2.5"           | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Mar 28, 2023   | 02/17          |
| 10NR000PUS | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 512GB SSD M.2 PCIe NVMe Opal | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Mar 28, 2023   | 02/17          |
| 10NR000QUS | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 500GB 7200rpm 2.5"           | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Mar 28, 2023   | 02/17          |
| 10NR000RUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 4GBx1  | 23.8" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 500GB 7200rpm 2.5"           | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | Mar 28, 2023   | 02/17          |
| 10NR0017US | US     | i5-7500   | vPro | Intel HD 630 | None          | 4GBx1  | 23.8" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | May 7, 2023    | 04/17          |
| 10NR0018US | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | 10-point Multi-touch | 150W 85% Adapter | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64     | 3-year, Onsite | May 7, 2023    | 04/17          |

| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Display                      | Multi-touch | Power Supply     | Storage(HDD/SSD)             | Optical | Media Reader | USB Type-C | WLAN + Bluetooth           | Optional Rear Ports | Camera | Chassis Intrusion Switch | Cable Lock | Keyboard / Mouse | Stand              | Operating System     | Warranty       | End of Support | Ann Date (m/y) |
|------------|--------|-----------|------|--------------|---------------|--------|------------------------------|-------------|------------------|------------------------------|---------|--------------|------------|----------------------------|---------------------|--------|--------------------------|------------|------------------|--------------------|----------------------|----------------|----------------|----------------|
| 10NS0001US | US     | i5-7500   | vPro | Intel HD 630 | None          | 4GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW    | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Mar 28, 2023   | 02/17          |
| 10NS0003US | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Mar 28, 2023   | 02/17          |
| 10NS0004US | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 512GB SSD M.2 PCIe NVMe Opal | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Mar 28, 2023   | 02/17          |
| 10NS0006US | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW    | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Mar 28, 2023   | 02/17          |
| 10NS0007US | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW    | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Mar 28, 2023   | 02/17          |
| 10NS0008US | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 512GB SSD M.2 PCIe NVMe Opal | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Mar 28, 2023   | 02/17          |
| 10NS000AUS | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | Mar 28, 2023   | 02/17          |
| 10NS000UUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NS000VUS | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW    | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NS000WUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NS000XUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 4GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW    | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NS000YUS | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NS0010US | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 500GB 7200rpm 2.5" DVD±RW    | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NS0011US | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | May 7, 2023    | 04/17          |
| 10NS0012US | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 512GB SSD M.2 PCIe NVMe Opal | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NS0013US | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | May 7, 2023    | 04/17          |
| 10NS0014US | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 512GB SSD M.2 PCIe NVMe Opal | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NS0015US | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |
| 10NS0016US | US     | i5-7500   | vPro | Intel HD 630 | None          | 4GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 Pro 64         | 3-year, Onsite | May 7, 2023    | 04/17          |
| 10NS0017US | US     | i5-6500   | vPro | Intel HD 530 | None          | 4GBx1  | 23.8" FHD (1920x1080) WVA AG | None        | 150W 85% Adapter | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | 9-in-1       | None       | 8265 ac, 2x2, vPro + BT4.1 | None                | 1080p  | None                     | None       | USB / USB        | UltraFlex II Stand | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 29, 2023   | 03/17          |





# ThinkCentre M600 Tiny Platform Specifications

Product Specifications Reference (PSREF)

|                             |   |                 |                      |       |              |                     |   |
|-----------------------------|---|-----------------|----------------------|-------|--------------|---------------------|---|
| Processor                   | Intel® Celeron® Processor N3000 Series or Intel Pentium® Processor N3000 Series   |                 |                      |       |              |                     | Keyboard<br><i>Some:</i> PS/2 Keyboard (PS/2 connector), Lenovo logo<br><i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo<br><i>Some:</i> Lenovo USB Fingerprint Keyboard (USB connector)<br><i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black   |
|                             | Processor   | Cores / Threads | Frequency (Base/Max) | Cache | Memory Types | Integrated Graphics |   |
|                             | Celeron N3000   | 2 / 2           | 1.04 / 2.08 GHz      | 2MB   | DDR3L-1600   | Intel HD            |   |
|                             | Celeron N3010   | 2 / 2           | 1.04 / 2.24 GHz      | 2MB   | DDR3L-1600   | Intel HD 400        |   |
|                             | Celeron N3050   | 2 / 2           | 1.6 / 2.16 GHz       | 2MB   | DDR3L-1600   | Intel HD            |   |
|                             | Pentium N3700   | 4 / 4           | 1.6 / 2.4 GHz        | 2MB   | DDR3L-1600   | Intel HD            |   |
|                             | Pentium J3710   | 4 / 4           | 1.6 / 2.64 GHz       | 2MB   | DDR3L-1600   | Intel HD 405        |   |
| Chipset                     | Intel Architecture (IA) SoC that integrates Intel processor core, graphics, memory controller, and I/O interfaces into a single system-on-chip solution   |                 |                      |       |              |                     | Mouse<br><i>Some:</i> PS/2 Optical Wheel Mouse, black, Lenovo logo<br><i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo<br><i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black   |
| Graphics                    | Intel HD Graphics in processor, uses main memory, DirectX® 11.1, twoDisplayPort™, one optional 3rd DP (not support DP to HDMI dongle) or VGA, supports triple independent display; Maximum resolution: 3840x2160(DP)@30Hz; 1920x1200(optional VGA)@60Hz; 1920x1080(DP to VGA dongle)@60Hz; 1920x1080(DP to DVI dongle)@60Hz; 3840x2160(DP to HDMI dongle)@30Hz  |                 |                      |       |              |                     |   |
| Monitor cable               | Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle   |                 |                      |       |              |                     |   |
| Memory                      | 8GB max / DDR3 Low Voltage, DDR3L-1600, non-parity, one 204-pin SO-DIMM socket  |                 |                      |       |              |                     |   |
| Storage                     | <i>Some:</i> M.2 Solid State Drive (SSD), SATA interface<br><i>Some:</i> hard disk, 5400 or 7200 rpm, SATA 6.0Gb/s, 2.5" Wide<br><i>Some:</i> 500GB (5400 rpm) Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide  |                 |                      |       |              |                     |   |
| Optical                     | <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide<br><i>Some:</i> external ODD box with DVD-ROM, 9.5mm high, via USB<br><i>Some:</i> external ODD box with DVD±RW, 9.5mm high, via USB<br><i>Some:</i> external ODD box (for TIO) with DVD-ROM, 9.5mm high, via USB<br><i>Some:</i> external ODD box (for TIO) with DVD±RW, 9.5mm high, via USB  |                 |                      |       |              |                     |   |
| Onboard SATA Media reader   | SATA 6.0Gb/s controller, one connectors on planar<br>None   |                 |                      |       |              |                     | Mechanical<br>• Tiny (1L or 2L), black color; metal case  |
| Front ports                 | Two USB 3.0 (one is Always On and fast charge), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)   |                 |                      |       |              |                     |   |
| Rear ports                  | Two USB 2.0, two USB 3.0 (optional external optical box or I/O box occupies one or two specific USB on some models), ethernet (RJ-45), two DisplayPort, one optional port (VGA, 3rd DP, or serial on some models), one headphone; additional four serial (9-pin), one parallel (25-pin), and two PS/2 ports on 2L models  |                 |                      |       |              |                     |   |
| I/O box                     | Optional external I/O box, extends two USB 2.0, two USB 3.0, and one serial on rear, two USB 2.0 on front, via USB (occupy two specific USB 3.0 of M600 Tiny)   |                 |                      |       |              |                     |   |
| Audio support               | High Definition (HD) Audio, Realtek ALC223 / optional internal speaker (1 watt)   |                 |                      |       |              |                     |   |
| WLAN <sup>13</sup>          | <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821AE (dual band), Wi-Fi + Bluetooth 4.0 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 |                 |                      |       |              |                     |   |
| Bluetooth™ Ethernet Modem   | <i>Some:</i> Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter<br>One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®<br>None  |                 |                      |       |              |                     | VESA mount<br>Optional VESA mount bracket kit, supports VESA 75mm and 100mm<br>Floor Stand<br>Optional system floor stand for vertical orientation<br>Power supply<br>65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)<br>90 watts AC/DC adapter, autosensing, 88% PSU (only for models with I/O box)<br>Limited warranty <sup>3</sup><br><i>Some:</i> 1-year or 3-year, depot service / service upgrades available<br><i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available<br><i>Some:</i> 3-year, limited onsite service, OI (Onsite International Delivery) / service upgrades available<br><i>For Lenovo service upgrade options, please go to S-TC sheet</i><br>Preload<br><i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit<br><i>Some:</i> Windows 7 Professional 64<br><i>Some:</i> Windows 10 Pro 64-bit<br><i>Some:</i> Windows 10 Home 64-bit<br>Preloaded applications (only some listed)<br>• Desktop Power Manager<br>• Lenovo Solution Center<br>• Lenovo REACHit<br>• Lenovo SHAREit<br>• Lenovo Bluetooth Lock<br>• McAfee® LiveSafe™ (30-day trial)<br>• Microsoft Office preloaded; purchase a product key to activate<br>• PowerDVD Create (DVD±RW)<br>• Lenovo ThinkVantage Tools<br>- Only for Window 10<br>• Lenovo Companion (Win10)<br>• Cyberlink PowerDVD (DVD, DVD±RW)<br>• Lenovo QuickOptimizer<br>- Only for Window 7<br>• Rescue and Recovery<br>• Password Manager<br>• ThinkVantage System Update<br>• Lenovo Message Center Plus<br>• Adobe® Reader®<br><i>Some:</i> Windows Embedded Standard 7 (WES 7)<br><i>Some:</i> Windows 10 IoT Enterprise<br><i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based)<br>Preloaded applications (only some listed)<br>- WES 7 only:<br>• RDP Client (RDP 8.1 support)<br>• Citrix Client<br>• VMware Client<br>• Internet Explorer 11<br>• Java<br>• Flash<br>• .Net Framework<br>• Microsoft® Silverlight<br>• Echo Agent (client for LTM, Lenovo Thin Client Manager)<br>• Adobe Reader<br>• UltraVNC<br>- LeTOS only:<br>• xFreeRDP<br>• Citrix ICA Client<br>• VMware View Client<br>• Java<br>• Mozilla Firefox |
| Manageability Security chip | None<br>Trusted Platform Module, TCG 1.2-compliant  |                 |                      |       |              |                     |   |
| Security features           | <ul style="list-style-type: none"> <li>• Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>• Padlock loop</li> <li>• Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>• Power-on password</li> <li>• Administrator password</li> <li>• Hard disk password</li> <li>• Boot sequence control</li> <li>• Boot without keyboard and mouse</li> <li>• Individual USB port disablement</li> <li>• Chassis intrusion switch</li> </ul>  |                 |                      |       |              |                     |   |
| Environment                 | ENERGY STAR® 6.0*, EPEAT™ Gold rating* (*for Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3  |                 |                      |       |              |                     |   |
| Accessories                 | For compatible accessories, please go to TC-AQP sheet   |                 |                      |       |              |                     |   |

See footnotes for more detailed information

| Model      | Region | Case 1L/2L | Processor     | vPro | Graphics     | Monitor Cable | Memory | Storage                  | External Optical / I/O Box | WLAN + Bluetooth                 | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Keyboard / Mouse | VESA Mount | Stand          | Power Supply          | Operating System           | Warranty          | Ann Date (m/y) |
|------------|--------|------------|---------------|------|--------------|---------------|--------|--------------------------|----------------------------|----------------------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|------------------|------------|----------------|-----------------------|----------------------------|-------------------|----------------|
| 10G9000NUS | US     | 1L         | Pentium N3700 | No   | Intel HD     | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | Intel 8260<br>ac, 2x2 +<br>BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 DG<br>Win7 Pro<br>64 | 1-year,<br>Onsite | 10/15          |
| 10G9000WUS | US     | 1L         | Pentium N3700 | No   | Intel HD     | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | Serial              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 DG<br>Win7 Pro<br>64 | 1-year,<br>Onsite | 04/16          |
| 10G9000XUS | US     | 1L         | Pentium N3700 | No   | Intel HD     | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 DG<br>Win7 Pro<br>64 | 1-year,<br>Onsite | 05/16          |
| 10G9000YUS | US     | 1L         | Pentium N3700 | No   | Intel HD     | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 Pro<br>64            | 1-year,<br>Onsite | 05/16          |
| 10G90010US | US     | 1L         | Pentium N3700 | No   | Intel HD     | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | Serial              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 Pro<br>64            | 1-year,<br>Onsite | 05/16          |
| 10G90011US | US     | 1L         | Pentium N3700 | No   | Intel HD     | None          | 4GBx1  | 128GB<br>SSD             | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 Pro<br>64            | 1-year,<br>Onsite | 05/16          |
| 10G90012US | US     | 1L         | Pentium N3700 | No   | Intel HD     | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 Pro<br>64            | 1-year,<br>Onsite | 05/16          |
| 10G90013US | US     | 1L         | Pentium N3700 | No   | Intel HD     | None          | 4GBx1  | 128GB<br>SSD             | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 DG<br>Win7 Pro<br>64 | 1-year,<br>Onsite | 05/16          |
| 10G90014US | US     | 1L         | Pentium N3700 | No   | Intel HD     | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 DG<br>Win7 Pro<br>64 | 1-year,<br>Onsite | 05/16          |
| 10G90015US | US     | 1L         | Pentium N3700 | No   | Intel HD     | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 Pro<br>64            | 1-year,<br>Onsite | 05/16          |
| 10G90016US | US     | 1L         | Pentium N3700 | No   | Intel HD     | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 DG<br>Win7 Pro<br>64 | 1-year,<br>Onsite | 05/16          |
| 10G9001CUS | US     | 1L         | Pentium J3710 | No   | Intel HD 405 | None          | 4GBx1  | 128GB<br>SSD             | None                       | Intel 8260<br>ac, 2x2 +<br>BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 Pro<br>64            | 1-year,<br>Onsite | 07/16          |
| 10G9001DUS | US     | 1L         | Pentium J3710 | No   | Intel HD 405 | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 Pro<br>64            | 1-year,<br>Onsite | 07/16          |
| 10G9001EUS | US     | 1L         | Pentium J3710 | No   | Intel HD 405 | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 Pro<br>64            | 1-year,<br>Onsite | 07/16          |
| 10G9001FUS | US     | 1L         | Pentium J3710 | No   | Intel HD 405 | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 Pro<br>64            | 1-year,<br>Onsite | 07/16          |
| 10G9001GUS | US     | 1L         | Pentium J3710 | No   | Intel HD 405 | None          | 4GBx1  | 128GB<br>SSD             | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 Pro<br>64            | 1-year,<br>Onsite | 07/16          |
| 10G9001HUS | US     | 1L         | Pentium J3710 | No   | Intel HD 405 | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | Serial              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 Pro<br>64            | 1-year,<br>Onsite | 07/16          |
| 10G9001QUS | US     | 1L         | Pentium J3710 | No   | Intel HD 405 | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | Intel 8260<br>ac, 2x2 +<br>BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 DG<br>Win7 Pro<br>64 | 1-year,<br>Onsite | 09/16          |
| 10G9001RUS | US     | 1L         | Pentium J3710 | No   | Intel HD 405 | None          | 4GBx1  | 128GB<br>SSD             | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 DG<br>Win7 Pro<br>64 | 1-year,<br>Onsite | 09/16          |
| 10G9001SUS | US     | 1L         | Pentium J3710 | No   | Intel HD 405 | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | Intel 3165<br>ac, 1x1 +<br>BT4.0 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor<br>Stand | 65W<br>Adapter<br>88% | Win10 DG<br>Win7 Pro<br>64 | 1-year,<br>Onsite | 09/16          |

| Model      | Region | Case 1L/2L | Processor     | vPro | Graphics     | Monitor Cable | Memory | Storage            | External Optical / I/O Box | WLAN + Bluetooth           | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Keyboard / Mouse | VESA Mount | Stand       | Power Supply    | Operating System     | Warranty       | Ann Date (m/y) |
|------------|--------|------------|---------------|------|--------------|---------------|--------|--------------------|----------------------------|----------------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|------------------|------------|-------------|-----------------|----------------------|----------------|----------------|
| 10G9001TUS | US     | 1L         | Pentium J3710 | No   | Intel HD 405 | None          | 4GBx1  | 128GB SSD          | None                       | Intel 8260 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 1-year, Onsite | 09/16          |
| 10G9001UUS | US     | 1L         | Pentium J3710 | No   | Intel HD 405 | None          | 4GBx1  | 500GB 7200rpm 2.5" | None                       | Intel 3165 ac, 1x1 + BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 1-year, Onsite | 09/16          |
| 10G9001VUS | US     | 1L         | Pentium J3710 | No   | Intel HD 405 | None          | 4GBx1  | 500GB 7200rpm 2.5" | None                       | Intel 3165 ac, 1x1 + BT4.0 | Serial              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 1-year, Onsite | 09/16          |
| 10G9001WUS | US     | 1L         | Pentium J3710 | No   | Intel HD 405 | None          | 4GBx1  | 500GB 7200rpm 2.5" | None                       | Intel 3165 ac, 1x1 + BT4.0 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 1-year, Onsite | 09/16          |



ThinkCentre M600 Tiny - TopSeller - 10GB

Product Specifications Reference (PSREF)

| Model      | Region | Case 1L/2L | Processor     | vPro | Graphics | Monitor Cable | Memory | Storage            | External Optical / I/O Box | WLAN + Bluetooth           | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Keyboard / Mouse | VESA Mount | Stand       | Power Supply    | Operating System     | Warranty       | Ann Date (m/y) |
|------------|--------|------------|---------------|------|----------|---------------|--------|--------------------|----------------------------|----------------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|------------------|------------|-------------|-----------------|----------------------|----------------|----------------|
| 10GB000JUS | US     | 1L         | Celeron N3050 | No   | Intel HD | None          | 4GBx1  | 500GB 7200rpm 2.5" | None                       | Intel 8260 ac, 2x2 + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 10/15          |
| 10GB000KUS | US     | 1L         | Celeron N3050 | No   | Intel HD | None          | 4GBx1  | 500GB 7200rpm 2.5" | None                       | Intel 8260 ac, 2x2 + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 10/15          |
| 10GB000LUS | US     | 1L         | Celeron N3050 | No   | Intel HD | None          | 4GBx1  | 120GB SSD          | None                       | Intel 8260 ac, 2x2 + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 10/15          |
| 10GB000MUS | US     | 1L         | Celeron N3050 | No   | Intel HD | None          | 4GBx1  | 120GB SSD          | None                       | Intel 8260 ac, 2x2 + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 10/15          |

| Model      | Region | Case 1L/2L | Processor     | vPro | Graphics     | Monitor Cable | Memory | Storage      | External Optical / I/O Box | WLAN + Bluetooth          | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Keyboard / Mouse | VESA Mount | Stand       | Power Supply    | Operating System | Warranty       | Ann Date (m/y) |
|------------|--------|------------|---------------|------|--------------|---------------|--------|--------------|----------------------------|---------------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|------------------|------------|-------------|-----------------|------------------|----------------|----------------|
| 10KH0001US | US     | 1L         | Celeron N3000 | No   | Intel HD     | None          | 2GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7            | 1-year, Onsite | 01/16          |
| 10KH0003US | US     | 1L         | Celeron N3000 | No   | Intel HD     | None          | 4GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7            | 1-year, Onsite | 01/16          |
| 10KH0007US | US     | 1L         | Celeron N3000 | No   | Intel HD     | None          | 4GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7            | 1-year, Onsite | 01/16          |
| 10KH0008US | US     | 1L         | Celeron N3000 | No   | Intel HD     | None          | 4GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7            | 1-year, Onsite | 01/16          |
| 10KH000BUS | US     | 1L         | Celeron N3000 | No   | Intel HD     | None          | 2GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS            | 1-year, Onsite | 01/16          |
| 10KH000CUS | US     | 1L         | Celeron N3000 | No   | Intel HD     | None          | 4GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS            | 1-year, Onsite | 01/16          |
| 10KH000FUS | US     | 1L         | Celeron N3000 | No   | Intel HD     | None          | 4GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS            | 1-year, Onsite | 01/16          |
| 10KH0023US | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 2GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS            | 1-year, Onsite | 07/16          |
| 10KH0024US | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS            | 1-year, Onsite | 07/16          |
| 10KH0025US | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7            | 1-year, Onsite | 07/16          |
| 10KH0026US | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7            | 1-year, Onsite | 07/16          |
| 10KH0027US | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | Serial              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS            | 1-year, Onsite | 07/16          |
| 10KH0028US | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7            | 1-year, Onsite | 07/16          |
| 10KH0029US | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | Serial              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7            | 1-year, Onsite | 07/16          |
| 10KH002VUS | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 2GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2         | 1-year, Onsite | 01/17          |
| 10KH002WUS | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2         | 1-year, Onsite | 01/17          |
| 10KH002XUS | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2         | 1-year, Onsite | 01/17          |
| 10KH002YUS | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 32GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7 V2         | 1-year, Onsite | 01/17          |
| 10KH0030US | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2         | 1-year, Onsite | 01/17          |
| 10KH0031US | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 32GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | Serial              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7 V2         | 1-year, Onsite | 01/17          |

| Model      | Region | Case 1L/2L | Processor     | vPro | Graphics     | Monitor Cable | Memory | Storage      | External Optical / I/O Box | WLAN + Bluetooth          | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Keyboard / Mouse | VESA Mount | Stand       | Power Supply    | Operating System          | Warranty       | Ann Date (m/y) |
|------------|--------|------------|---------------|------|--------------|---------------|--------|--------------|----------------------------|---------------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|------------------|------------|-------------|-----------------|---------------------------|----------------|----------------|
| 10KH0032US | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 16GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | Serial              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 1-year, Onsite | 01/17          |
| 10KH0033US | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 32GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7 V2                  | 1-year, Onsite | 01/17          |
| 10KH0034US | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 32GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7 V2                  | 1-year, Onsite | 01/17          |
| 10KH003MUS | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 32GB SSD M.2 | None                       | None                      | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Windows 10 IoT Enterprise | 1-year, Onsite | 03/17          |
| 10KH003PUS | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 32GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Windows 10 IoT Enterprise | 1-year, Onsite | 04/17          |
| 10KH003QUS | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 32GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Windows 10 IoT Enterprise | 1-year, Onsite | 04/17          |
| 10KH003RUS | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 32GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Windows 10 IoT Enterprise | 1-year, Onsite | 04/17          |
| 10KH003SUS | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 8GBx1  | 32GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Windows 10 IoT Enterprise | 1-year, Onsite | 04/17          |
| 10KH0047US | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 32GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 1-year, Onsite | 05/17          |
| 10KH0048US | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 32GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 1-year, Onsite | 05/17          |
| 10KH0049US | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 2GBx1  | 32GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 1-year, Onsite | 05/17          |
| 10KH004AUS | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 32GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | Serial              | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 1-year, Onsite | 05/17          |
| 10KH004BUS | US     | 1L         | Celeron N3010 | No   | Intel HD 400 | None          | 4GBx1  | 32GB SSD M.2 | None                       | RTL8821AE ac, 1x1 + BT4.0 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 1-year, Onsite | 05/17          |

| Model      | Region | Case 1L/2L | Processor     | vPro | Graphics | Monitor Cable | Memory | Storage                  | External Optical / I/O Box | WLAN + Bluetooth              | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Keyboard / Mouse | VESA Mount    | Stand | Power Supply          | Operating System           | Warranty                  | Ann Date (m/y) |
|------------|--------|------------|---------------|------|----------|---------------|--------|--------------------------|----------------------------|-------------------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|------------------|---------------|-------|-----------------------|----------------------------|---------------------------|----------------|
| 10G8000QUS | US     | 1L         | Pentium N3700 | No   | Intel HD | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | DVD±RW                     | QCA6174<br>ac, 2x2 +<br>BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | VESA<br>Mount | None  | 65W<br>Adapter<br>88% | Win10 DG<br>Win7 Pro<br>64 | 3-year,<br>Onsite,<br>OID | 10/15          |
| 10G8000RUS | US     | 1L         | Pentium N3700 | No   | Intel HD | None          | 4GBx1  | 500GB<br>7200rpm<br>2.5" | DVD±RW                     | QCA6174<br>ac, 2x2 +<br>BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | VESA<br>Mount | None  | 65W<br>Adapter<br>88% | Win10 Pro<br>64            | 3-year,<br>Onsite,<br>OID | 10/15          |
| 10G8000SUS | US     | 1L         | Pentium N3700 | No   | Intel HD | None          | 2GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | QCA9377<br>ac, 1x1 +<br>BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None          | None  | 65W<br>Adapter<br>88% | Win10 Pro<br>64            | 3-year,<br>Onsite,<br>OID | 10/15          |
| 10G8000TUS | US     | 1L         | Pentium N3700 | No   | Intel HD | None          | 2GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | QCA9377<br>ac, 1x1 +<br>BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None          | None  | 65W<br>Adapter<br>88% | Win10 DG<br>Win7 Pro<br>64 | 3-year,<br>Onsite,<br>OID | 10/15          |

# ThinkCentre M600 Tiny - 10GA

Product Specifications Reference (PSREF)

| Model      | Region | Case 1L/2L | Processor     | vPro | Graphics | Monitor Cable | Memory | Storage                  | External Optical / I/O Box | WLAN + Bluetooth | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Keyboard / Mouse | VESA Mount    | Stand | Power Supply          | Operating System           | Warranty                  | Ann Date (m/y) |
|------------|--------|------------|---------------|------|----------|---------------|--------|--------------------------|----------------------------|------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|------------------|---------------|-------|-----------------------|----------------------------|---------------------------|----------------|
| 10GA000JUS | US     | 1L         | Celeron N3050 | No   | Intel HD | None          | 2GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | None             | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None          | None  | 65W<br>Adapter<br>88% | Win10 DG<br>Win7 Pro<br>64 | 3-year,<br>Onsite,<br>OID | 10/15          |
| 10GA000KUS | US     | 1L         | Celeron N3050 | No   | Intel HD | None          | 2GBx1  | 500GB<br>7200rpm<br>2.5" | DVD±RW                     | None             | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | VESA<br>Mount | None  | 65W<br>Adapter<br>88% | Win10 Pro<br>64            | 3-year,<br>Onsite,<br>OID | 10/15          |

# ThinkCentre M600 Tiny - 10GC

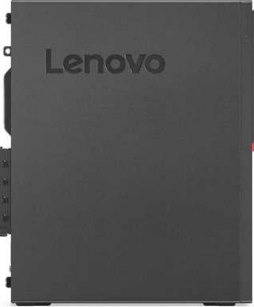
Product Specifications Reference (PSREF)

| Model      | Region | Case 1L/2L | Processor     | vPro | Graphics | Monitor Cable | Memory | Storage            | External Optical / I/O Box | WLAN + Bluetooth        | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Keyboard / Mouse | VESA Mount | Stand | Power Supply | Operating System     | Warranty            | Ann Date (m/y) |
|------------|--------|------------|---------------|------|----------|---------------|--------|--------------------|----------------------------|-------------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|------------------|------------|-------|--------------|----------------------|---------------------|----------------|
| 10GC0001US | US     | 1L         | Pentium N3700 | No   | Intel HD | None          | 4GBx1  | 500GB 7200rpm 2.5" | DVD±RW (TIO)               | QCA6174 ac, 2x2 + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | None  | None         | Win10 Pro 64         | 3-year, Onsite, OID | 10/15          |
| 10GC0002US | US     | 1L         | Pentium N3700 | No   | Intel HD | None          | 4GBx1  | 500GB 7200rpm 2.5" | None                       | QCA6174 ac, 2x2 + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | None  | None         | Win10 DG Win7 Pro 64 | 3-year, Onsite, OID | 10/15          |

# ThinkCentre M600 Tiny - 10GE

Product Specifications Reference (PSREF)

| Model      | Region | Case 1L/2L | Processor     | vPro | Graphics | Monitor Cable | Memory | Storage                  | External Optical / I/O Box | WLAN + Bluetooth              | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Keyboard / Mouse | VESA Mount | Stand | Power Supply | Operating System        | Warranty                  | Ann Date (m/y) |
|------------|--------|------------|---------------|------|----------|---------------|--------|--------------------------|----------------------------|-------------------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|------------------|------------|-------|--------------|-------------------------|---------------------------|----------------|
| 10GE0001US | US     | 1L         | Celeron N3050 | No   | Intel HD | None          | 2GBx1  | 500GB<br>7200rpm<br>2.5" | None                       | QCA9377<br>ac, 1x1 +<br>BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | USB / USB        | None       | None  | None         | Win10 DG<br>Win7 Pro 64 | 3-year,<br>Onsite,<br>OID | 10/15          |





# ThinkCentre M710 SFF Platform Specifications

Product Specifications Reference (PSREF)

| Processor                   | Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor   | Security features             | <ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Padlock loop</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Optional cable lock to physically lock both keyboard and mouse</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional chassis intrusion switch</li> </ul>  |                         |                     |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
|-----------------------------|---|-------------------------------|--|-------------------------|---------------------|------------------------|---------------------|---------------|-------|------|------|-----------|--------|---------------|-------|------|------|-----------|--------|---------------|-------|------|------|-----------|--------|--------------|-------|------|------|-----------|--------|--------------|-------|-------------|------|-----------|--------|--------------|-------|-------------|------|-----------|--------|--------------|-------|------|------|-----------|--------|--------------|-------|-------------|------|-----------|--------|--------------|-------|-------------|------|-----------|--------|--------------|-------|-------------|------|-----------|--------|--------------|-------|-------------|------|-----------|--------|----------|---|
|                             | <table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency Base/Max(GHz)</th> <th>Cache</th> <th>Memory Support (Up to)</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Pentium G4400</td> <td>2 / 2</td> <td>3.3G</td> <td>3 MB</td> <td>DDR4-2133</td> <td>HD 510</td> </tr> <tr> <td>Pentium G4560</td> <td>2 / 4</td> <td>3.5G</td> <td>3 MB</td> <td>DDR4-2400</td> <td>HD 610</td> </tr> <tr> <td>Pentium G4600</td> <td>2 / 4</td> <td>3.6G</td> <td>3 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i3-6100</td> <td>2 / 4</td> <td>3.7G</td> <td>3 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i5-6500</td> <td>4 / 4</td> <td>3.2G / 3.6G</td> <td>6 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i7-6700</td> <td>4 / 8</td> <td>3.4G / 4.0G</td> <td>8 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i3-7100</td> <td>2 / 4</td> <td>3.9G</td> <td>3 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7400</td> <td>4 / 4</td> <td>3.0G / 3.5G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7500</td> <td>4 / 4</td> <td>3.4G / 3.8G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7600</td> <td>4 / 4</td> <td>3.5G / 4.1G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i7-7700</td> <td>4 / 8</td> <td>3.6G / 4.2G</td> <td>8 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> </tbody> </table> | Processor                     | Cores / Threads  | Frequency Base/Max(GHz) | Cache               | Memory Support (Up to) | Integrated Graphics | Pentium G4400 | 2 / 2 | 3.3G | 3 MB | DDR4-2133 | HD 510 | Pentium G4560 | 2 / 4 | 3.5G | 3 MB | DDR4-2400 | HD 610 | Pentium G4600 | 2 / 4 | 3.6G | 3 MB | DDR4-2400 | HD 630 | Core i3-6100 | 2 / 4 | 3.7G | 3 MB | DDR4-2133 | HD 530 | Core i5-6500 | 4 / 4 | 3.2G / 3.6G | 6 MB | DDR4-2133 | HD 530 | Core i7-6700 | 4 / 8 | 3.4G / 4.0G | 8 MB | DDR4-2133 | HD 530 | Core i3-7100 | 2 / 4 | 3.9G | 3 MB | DDR4-2400 | HD 630 | Core i5-7400 | 4 / 4 | 3.0G / 3.5G | 6 MB | DDR4-2400 | HD 630 | Core i5-7500 | 4 / 4 | 3.4G / 3.8G | 6 MB | DDR4-2400 | HD 630 | Core i5-7600 | 4 / 4 | 3.5G / 4.1G | 6 MB | DDR4-2400 | HD 630 | Core i7-7700 | 4 / 8 | 3.6G / 4.2G | 8 MB | DDR4-2400 | HD 630 | Keyboard | <i>Some:</i> Lenovo Calliope Keyboard (USB connector), black<br><i>Some:</i> Lenovo Traditional Keyboard (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black<br><i>Some:</i> Lenovo Calliope Mouse (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black |
| Processor                   | Cores / Threads   | Frequency Base/Max(GHz)       | Cache  | Memory Support (Up to)  | Integrated Graphics |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Pentium G4400               | 2 / 2   | 3.3G                          | 3 MB   | DDR4-2133               | HD 510              |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Pentium G4560               | 2 / 4   | 3.5G                          | 3 MB   | DDR4-2400               | HD 610              |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Pentium G4600               | 2 / 4   | 3.6G                          | 3 MB   | DDR4-2400               | HD 630              |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Core i3-6100                | 2 / 4   | 3.7G                          | 3 MB   | DDR4-2133               | HD 530              |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Core i5-6500                | 4 / 4   | 3.2G / 3.6G                   | 6 MB   | DDR4-2133               | HD 530              |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Core i7-6700                | 4 / 8   | 3.4G / 4.0G                   | 8 MB   | DDR4-2133               | HD 530              |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Core i3-7100                | 2 / 4   | 3.9G                          | 3 MB   | DDR4-2400               | HD 630              |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Core i5-7400                | 4 / 4   | 3.0G / 3.5G                   | 6 MB   | DDR4-2400               | HD 630              |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Core i5-7500                | 4 / 4   | 3.4G / 3.8G                   | 6 MB   | DDR4-2400               | HD 630              |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Core i5-7600                | 4 / 4   | 3.5G / 4.1G                   | 6 MB   | DDR4-2400               | HD 630              |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Core i7-7700                | 4 / 8   | 3.6G / 4.2G                   | 8 MB   | DDR4-2400               | HD 630              |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Memory                      | 64GB max, UDIMM, DDR4-2400, four 288-pin DIMM sockets, non-ECC, dual-channel capable*<br>* System automatically clocks down for the processors with lower memory controller   | Mouse                         |  |                         |                     |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Storage                     | <i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"<br><i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s<br><i>Some:</i> Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2<br><i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm)<br><i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)   | Mechanical                    | <ul style="list-style-type: none"> <li>SFF (8.4L), black color; metal case</li> <li>(WxDxH) 3.6" X 11.4" X 13.5"; 92.5mm X 290.5mm X 343.5mm</li> <li>Approx. 13.2 lb (6.0 kg), weight may vary by configuration</li> <li>Toolless cover, disk, optical removal</li> <li>Optional dust filter</li> <li>Bay 1: Slim external ODD bay</li> <li>Bay 2: 3.5", 1" high, internal, HDD/SSD</li> <li>Bay 3: 2.5", internal, HDD/SSD (optional bay)</li> <li>Slot 1: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x16*</li> <li>Slot 2: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x1*</li> <li>Slot 3: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x1*</li> <li>Slot 4: no slot, only bracket for optional port extension*</li> <li>M.2 card slots: Two (one for WLAN, one for SSD/Optane)</li> <li>* Optional front USB3.1 Type-C x2 module occupies PCIe x16 slot (x4 card), optional rear 2x USB2.0 / parallel / 2nd serial occupies one expansion slot</li> </ul> |                         |                     |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Optical                     | Three onboard SATA 6.0Gb/s connectors<br>Optional 7-in-1 media reader   | Floor Stand                   | Optional system floor stand for vertical orientation   |                         |                     |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Onboard SATA Media reader   |   | Power supply                  | <i>Some:</i> 180 watts, autosensing, 85% PSU<br><i>Some:</i> 210 watts, autosensing, 85% PSU<br><i>Some:</i> 210 watts, autosensing, 92% PSU (only available via special bid)  |                         |                     |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Graphics                    | Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays;<br>Max resolution: 4096x2304 (DP) @60Hz; 2048x1536 (VGA) @50Hz<br><i>Some:</i> NVIDIA GeForce® GT 730, DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts;<br>Max resolution: 3840x2160 (DisplayPort) @60Hz;   | Limited warranty <sup>3</sup> | <i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available<br><i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available  |                         |                     |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Monitor cable               | Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4   | Preload                       | <b>Preloaded operating system</b><br><i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)<br><i>Some:</i> Windows 10 Pro 64-bit<br><i>Some:</i> Windows 10 Home 64-bit<br><b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Cyberlink PowerDVD Create (DVD±RW)</li> <li>- Only for Window 10</li> <li>Lenovo Companion</li> <li>Lenovo ID</li> <li>Cyberlink PowerDVD (DVD, DVD±RW)</li> <li>- Only for Window 7</li> <li>Lenovo Solution Center</li> <li>Lenovo ThinkVantage Tools</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> </ul>  |                         |                     |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Chipset                     | Intel B250 Chipset  | Environment                   | ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)  |                         |                     |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Front ports                 | Four USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)  | Accessories                   | For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>   |                         |                     |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Rear ports                  | Two USB 3.1 Gen1, two USB 2.0, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, two PS/2 ports (keyboard/mouse); additional DisplayPort on optional graphics on some models   |                               |  |                         |                     |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Rear audio ports IEEE 1394  | Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)<br>None  |                               |  |                         |                     |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Audio support               | High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt )  |                               |  |                         |                     |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| WLAN <sup>13</sup>          | <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2  |                               |  |                         |                     |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Bluetooth™ Ethernet Modem   | <i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + BT combo adapter<br>Gigabit ethernet, Realtek RTL8111GN, Wake on LAN®<br>None  |                               |  |                         |                     |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |
| Manageability Security chip | None<br>TPM (Trusted Platform Module) 2.0, TCG Certified<br>* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS   |                               |  |                         |                     |                        |                     |               |       |      |      |           |        |               |       |      |      |           |        |               |       |      |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |      |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |   |

See footnotes for more detailed information

| Model      | Region | Processor     | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)             | Optical | Optional 2nd 2.5" Bay | Media Reader | WLAN + Bluetooth     | Optional Front Ports | Optional Rear Ports | Chassis Intrusion Switch | Cable Lock | Speaker | Dust Filter | Keyboard / Mouse | Stand       | Power Supply | Operating System     | Warranty       | Ann Date (mm/yy) |
|------------|--------|---------------|------|--------------|---------------|--------|------------------------------|---------|-----------------------|--------------|----------------------|----------------------|---------------------|--------------------------|------------|---------|-------------|------------------|-------------|--------------|----------------------|----------------|------------------|
| 10M7000DUS | US     | i7-7700       | No   | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M7000EUS | US     | i7-7700       | No   | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M7000FUS | US     | i7-7700       | No   | Intel HD 630 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M7000GUS | US     | i7-7700       | No   | Intel HD 630 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe Opal | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M7000HUS | US     | i5-7400       | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M7000JUS | US     | i5-7400       | No   | Intel HD 630 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe Opal | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M7000KUS | US     | i7-7700       | No   | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M7000LUS | US     | i5-7400       | No   | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M7000MUS | US     | i7-7700       | No   | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M7000NUS | US     | i7-7700       | No   | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M7000PUS | US     | i5-7400       | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M7000QUS | US     | i5-7400       | No   | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M7000RUS | US     | i7-7700       | No   | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M7000SUS | US     | i5-7400       | No   | Intel HD 630 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M7000TUS | US     | i7-7700       | No   | Intel HD 630 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M7002WUS | US     | i5-7400       | No   | Intel HD 630 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 03/17            |
| 10M7002XUS | US     | Pentium G4560 | No   | Intel HD 610 | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 03/17            |
| 10M7002YUS | US     | i3-7100       | No   | Intel HD 630 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 03/17            |
| 10M70030US | US     | i5-6500       | No   | Intel HD 530 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M70031US | US     | i3-7100       | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 03/17            |

| Model      | Region | Processor     | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)             | Optical | Optional 2nd 2.5" Bay | Media Reader | WLAN + Bluetooth     | Optional Front Ports | Optional Rear Ports | Chassis Intrusion Switch | Cable Lock | Speaker | Dust Filter | Keyboard / Mouse | Stand       | Power Supply | Operating System     | Warranty       | Ann Date (mm/yy) |
|------------|--------|---------------|------|--------------|---------------|--------|------------------------------|---------|-----------------------|--------------|----------------------|----------------------|---------------------|--------------------------|------------|---------|-------------|------------------|-------------|--------------|----------------------|----------------|------------------|
| 10M70032US | US     | i7-6700       | No   | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M70033US | US     | i7-6700       | No   | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M70034US | US     | i5-7400       | No   | Intel HD 630 | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 03/17            |
| 10M70035US | US     | i7-6700       | No   | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M70036US | US     | Pentium G4400 | No   | Intel HD 510 | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M70037US | US     | i3-6100       | No   | Intel HD 530 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M70038US | US     | i5-6500       | No   | Intel HD 530 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M70039US | US     | i5-6500       | No   | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M7003AUS | US     | i7-6700       | No   | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M7003BUS | US     | Pentium G4560 | No   | Intel HD 610 | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 03/17            |
| 10M7003CUS | US     | i3-6100       | No   | Intel HD 530 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M7003DUS | US     | i3-7100       | No   | Intel HD 630 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 03/17            |
| 10M7003EUS | US     | i7-6700       | No   | Intel HD 530 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe Opal | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M7003FUS | US     | i3-6100       | No   | Intel HD 530 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M7003GUS | US     | i7-6700       | No   | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M7003HUS | US     | i7-6700       | No   | Intel HD 530 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M7003JUS | US     | i5-6500       | No   | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M7003KUS | US     | Pentium G4400 | No   | Intel HD 510 | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M7003LUS | US     | i3-7100       | No   | Intel HD 630 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 03/17            |
| 10M7003MUS | US     | i5-6500       | No   | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |

| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)                      | Optical | Optional 2nd 2.5" Bay | Media Reader | WLAN + Bluetooth     | Optional Front Ports | Optional Rear Ports | Chassis Intrusion Switch | Cable Lock | Speaker | Dust Filter | Keyboard / Mouse | Stand       | Power Supply | Operating System     | Warranty       | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|---------------|--------|---------------------------------------|---------|-----------------------|--------------|----------------------|----------------------|---------------------|--------------------------|------------|---------|-------------|------------------|-------------|--------------|----------------------|----------------|------------------|
| 10M7003NUS | US     | i7-6700   | No   | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"                      | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M7003PUS | US     | i3-6100   | No   | Intel HD 530 | None          | 4GBx1  | 1TB 7200rpm 3.5"                      | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M7003QUS | US     | i7-6700   | No   | Intel HD 530 | None          | 8GBx1  | 1TB 7200rpm 3.5"                      | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M7003RUS | US     | i5-6500   | No   | Intel HD 530 | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe               | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M7003SUS | US     | i5-6500   | No   | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal          | DVD±RW  | Optional 2nd 2.5" Bay | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M7003TUS | US     | i3-6100   | No   | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 3.5"                    | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M7003UUS | US     | i3-7100   | No   | Intel HD 630 | None          | 4GBx1  | 1TB 7200rpm 3.5"                      | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 03/17            |
| 10M7006AUS | US     | i5-7400   | No   | Intel HD 630 | None          | 8GBx1  | 16GB Optane Memory + 1TB 7200rpm 3.5" | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 09/17            |
| 10M7006BUS | US     | i7-7700   | No   | Intel HD 630 | None          | 8GBx1  | 16GB Optane Memory + 1TB 7200rpm 3.5" | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 09/17            |



# ThinkCentre M710 Tiny Platform Specifications

Product Specifications Reference (PSREF)

|                               |  |  |  |                                   |                                   |                     |   |
|-------------------------------|--|--|--|-----------------------------------|-----------------------------------|---------------------|---|
| Processor                     | Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor  |  |  |                                   |                                   |                     | <b>Security features</b> <ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Chassis intrusion switch</li> </ul> |
|                               | Processor  | Cores / Threads  | Frequency Base/Max(GHz)                            | Cache                             | Memory Support (Up to)            | Integrated Graphics |   |
|                               | Pentium G4400T   | 2 / 2  | 2.9G   | 3 MB                              | DDR4-2133                         | HD 510              |   |
|                               | Pentium G4560T   | 2 / 4  | 2.9G   | 3 MB                              | DDR4-2400                         | HD 610              |   |
|                               | Pentium G4600T   | 2 / 4  | 3.0G   | 3 MB                              | DDR4-2400                         | HD 630              |   |
|                               | Core i3-6100T  | 2 / 4  | 3.2G   | 3 MB                              | DDR4-2133                         | HD 530              |   |
|                               | Core i5-6500T  | 4 / 4  | 2.5G / 3.1G  | 6 MB                              | DDR4-2133                         | HD 530              |   |
|                               | Core i7-6700T  | 4 / 8  | 2.8G / 3.6G  | 8 MB                              | DDR4-2133                         | HD 530              |   |
|                               | Core i3-7100T  | 2 / 4  | 3.4G   | 3 MB                              | DDR4-2400                         | HD 630              |   |
|                               | Core i5-7400T  | 4 / 4  | 2.4G / 3.0G  | 6 MB                              | DDR4-2400                         | HD 630              |   |
|                               | Core i5-7500T  | 4 / 4  | 2.7G / 3.3G  | 6 MB                              | DDR4-2400                         | HD 630              |   |
| Core i5-7600T                 | 4 / 4  | 2.8G / 3.7G  | 6 MB   | DDR4-2400                         | HD 630                            |                     |   |
| Core i7-7700T                 | 4 / 8  | 2.9G / 3.8G  | 8 MB   | DDR4-2400                         | HD 630                            |                     |   |
| Memory                        | 32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, non-ECC, dual-channel capable<br>* System automatically clocks down for the processors with lower memory controller   |  |  |                                   |                                   |                     |   |
|                               | Storage  | <i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm         |  |                                   |                                   |                     |   |
|                               |  | <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"                  |  |                                   |                                   |                     |   |
|                               |  | <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s |  |                                   |                                   |                     |   |
| Optical                       | <i>Some:</i> Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2  |  |  |                                   |                                   |                     |   |
|                               | <i>Some:</i> DVD-ROM, slim (9.0mm), via USB external ODD box   |  |  |                                   |                                   |                     |   |
| Onboard SATA Media reader     | <i>Some:</i> DVD Burner (DVD±RW), slim (9.0mm), via USB external ODD box   |  |  |                                   |                                   |                     |   |
|                               | One onboard SATA 6.0Gb/s connector   |  |  |                                   |                                   |                     |   |
| Graphics                      | None   |  |  |                                   |                                   |                     |   |
|                               | <b>Intel HD Graphics 510/530/610/630</b> in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional video port (HDMI, VGA, 3rd DP, or USB 3.1 Type-C with DisplayPort Alternate Mode), up to 3 independent displays;<br><i>Max resolution:</i> 4096x2304 (DP) @60Hz; 4096x2304 (Type-C) @60Hz; 4096x2160 (HDMI) @24Hz; 1920x1200 (VGA) @60Hz  |  |  |                                   |                                   |                     |   |
| Monitor cable                 | Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4  |  |  |                                   |                                   |                     |   |
| Chipset                       | <b>Intel B250 Chipset</b>  |  |  |                                   |                                   |                     |   |
| Front ports                   | Two USB 3.1 Gen1 (one is Always On and fast charge), one microphone (3.5mm), one headphone / microphone combo jack (3.5mm)   |  |  |                                   |                                   |                     |   |
| Rear ports                    | Four USB 3.1 Gen1 (optional external optical box or external I/O box occupies one or two specific USB 3.1 Gen1 on some models), ethernet (RJ-45), two DisplayPort, two optional ports (Port 1 for VGA / 3rd DP / HDMI / serial / USB 3.1 Type-C Gen 1 (with DisplayPort Alternate Mode), Port 2 for serial)  |  |  |                                   |                                   |                     |   |
| I/O box                       | Optional external I/O box, extends two USB 2.0, two USB 3.1 Gen1, and one serial on rear, two USB 2.0 on front, via USB cable (occupy two specific USB 3.1 Gen1 of Tiny)   |  |  |                                   |                                   |                     |   |
| Audio support                 | High Definition (HD) Audio, Realtek ALC294 / optional internal speaker (1w or 2w)  |  |  |                                   |                                   |                     |   |
| WLAN <sup>13</sup>            | <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2   |  |  |                                   |                                   |                     |   |
| Bluetooth™                    | <i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + BT combo adapter  |  |  |                                   |                                   |                     |   |
| Ethernet                      | Gigabit ethernet, Intel Ethernet Connection I219-V (Jacksonville), Wake on LAN®  |  |  |                                   |                                   |                     |   |
| Modem                         | None   |  |  |                                   |                                   |                     |   |
| Manageability                 | None   |  |  |                                   |                                   |                     |   |
| Security chip                 | TPM (Trusted Platform Module) 2.0*, TCG Certified<br>* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS   |  |  |                                   |                                   |                     |   |
| Keyboard                      | <i>Some:</i> Lenovo Calliope Keyboard (USB connector), black   |  |  |                                   |                                   |                     |   |
|                               | <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black  |  |  |                                   |                                   |                     |   |
| Mouse                         | <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black  |  |  |                                   |                                   |                     |   |
|                               | <i>Some:</i> Lenovo Calliope Mouse (USB connector), black  |  |  |                                   |                                   |                     |   |
| Mechanical                    | <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black   |  |  |                                   |                                   |                     |   |
|                               | Tiny (1L), black color; metal case   |  |  |                                   |                                   |                     |   |
| VESA mount Floor Stand        | <ul style="list-style-type: none"> <li>Toolless chassis open</li> <li>Toolless HDD, SSD, memory removal</li> <li>Optional toolless chassis screw</li> <li>Optional dust filter</li> </ul>  |  |  |                                   |                                   |                     |   |
|                               |  |  | Dimensions (WxDxH)                                 |                                   | Weight (Approx. )                 |                     |   |
|                               | M710 Tiny only   |  | 7.05" X 7.20" X 1.36"<br>179mm X 182.9mm X 34.5mm  |                                   | 2.91 lb (1.32 kg), vary by config |                     |   |
|                               | With VESA mount & ODD box  |  | 7.42" X 7.30" X 2.48"<br>188.4mm X 185.38mm X 63mm |                                   | 3.66 lb (1.66 kg), vary by config |                     |   |
| With VESA mount & I/O box     |  | 7.42" X 7.30" X 2.62"<br>188.4mm X 185.38mm X 66.6mm                       |  | 3.66 lb (1.66 kg), vary by config |                                   |                     |   |
| Power supply                  | 65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)<br>90 watts AC/DC adapter, autosensing, 88% PSU (only for models with I/O box)  |  |  |                                   |                                   |                     |   |
| Limited warranty <sup>3</sup> | <i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available<br><i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available  |  |  |                                   |                                   |                     |   |
| Preload                       | <i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)<br><i>Some:</i> Windows 10 Pro 64-bit<br><i>Some:</i> Windows 10 Home 64-bit<br><b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Cyberlink PowerDVD Create (DVD±RW)</li> <li>- Only for Window 10</li> <li>Lenovo Companion</li> <li>Lenovo ID</li> <li>Cyberlink PowerDVD (DVD, DVD±RW)</li> <li>- Only for Window 7</li> <li>Lenovo Solution Center</li> <li>Lenovo ThinkVantage Tools</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> </ul> |  |  |                                   |                                   |                     |   |
| Environment                   | ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)  |  |  |                                   |                                   |                     |   |
| MIL-SPEC test                 | MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)  |  |  |                                   |                                   |                     |   |
| Accessories                   | For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>   |  |  |                                   |                                   |                     |   |

See footnotes for more detailed information

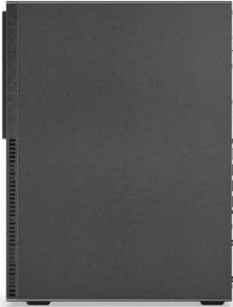
| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)             | External Optical / I/O Box | WLAN + Bluetooth     | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Dust Filter | Keyboard / Mouse | VESA Mount | Stand       | Power Supply    | Operating System | Warranty       | End of Support | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|---------------|--------|------------------------------|----------------------------|----------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|-------------|------------------|------------|-------------|-----------------|------------------|----------------|----------------|------------------|
| 10MR0001US | US     | i7-7700T  | No   | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"           | DVD±RW                     | 8265 ac, 2x2 + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | VESA Mount | None        | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR0002US | US     | i5-7500T  | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 2.5"           | None                       | 3165 ac, 1x1 + BT4.1 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR0003US | US     | i7-7700T  | No   | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR0004US | US     | i5-7500T  | No   | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Feb 21, 2022   | 02/17            |
| 10MR0005US | US     | i5-7500T  | No   | Intel HD 630 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR0006US | US     | i5-7500T  | No   | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"           | DVD±RW                     | 8265 ac, 2x2 + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | VESA Mount | None        | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR0007US | US     | i5-7500T  | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 2.5"           | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR0008US | US     | i5-7500T  | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 2.5"           | None                       | 3165 ac, 1x1 + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR0009US | US     | i5-7500T  | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 2.5"           | None                       | 3165 ac, 1x1 + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR000AUS | US     | i5-7500T  | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 2.5"           | None                       | 8265 ac, 2x2 + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR000BUS | US     | i7-7700T  | No   | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"           | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR000CUS | US     | i5-7500T  | No   | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | None                       | 8265 ac, 2x2 + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR000DUS | US     | i5-7500T  | No   | Intel HD 630 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | None                       | 8265 ac, 2x2 + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR000EUS | US     | i7-7700T  | No   | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | None                       | 8265 ac, 2x2 + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR000FUS | US     | i5-7500T  | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 2.5"           | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR000GUS | US     | i5-7500T  | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 2.5"           | None                       | 8265 ac, 2x2 + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR000HUS | US     | i7-7700T  | No   | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"           | None                       | 8265 ac, 2x2 + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR000JUS | US     | i5-7500T  | No   | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"           | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR000KUS | US     | i5-7500T  | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 2.5"           | None                       | 3165 ac, 1x1 + BT4.1 | Serial              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MR002PUS | US     | i3-7100T  | No   | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"           | None                       | 3165 ac, 1x1 + BT4.1 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Apr 6, 2023    | 03/17            |

| Model      | Region | Processor      | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)             | External Optical / I/O Box | WLAN + Bluetooth     | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Dust Filter | Keyboard / Mouse | VESA Mount | Stand       | Power Supply    | Operating System     | Warranty       | End of Support | Ann Date (mm/yy) |
|------------|--------|----------------|------|--------------|---------------|--------|------------------------------|----------------------------|----------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|-------------|------------------|------------|-------------|-----------------|----------------------|----------------|----------------|------------------|
| 10MR002QUS | US     | i3-7100T       | No   | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"           | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 6, 2023    | 03/17            |
| 10MR002RUS | US     | Pentium G4560T | No   | Intel HD 610 | None          | 4GBx1  | 500GB 7200rpm 2.5"           | None                       | 3165 ac, 1x1 + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 6, 2023    | 03/17            |
| 10MR002SUS | US     | i3-7100T       | No   | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"           | None                       | 3165 ac, 1x1 + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 6, 2023    | 03/17            |
| 10MR002TUS | US     | i3-7100T       | No   | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 6, 2023    | 03/17            |
| 10MR002UUS | US     | i3-7100T       | No   | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"           | None                       | 3165 ac, 1x1 + BT4.1 | Serial              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 6, 2023    | 03/17            |
| 10MR002VUS | US     | i3-7100T       | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 2.5"           | None                       | 3165 ac, 1x1 + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 6, 2023    | 03/17            |
| 10MR002WUS | US     | i3-7100T       | No   | Intel HD 630 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | None                       | 3165 ac, 1x1 + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 6, 2023    | 03/17            |
| 10MR002XUS | US     | i3-7100T       | No   | Intel HD 630 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 6, 2023    | 03/17            |
| 10MR003UUS | US     | i5-7500T       | No   | Intel HD 630 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR003VUS | US     | i5-7500T       | No   | Intel HD 630 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe Opal | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR003WUS | US     | i7-7700T       | No   | Intel HD 630 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe Opal | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR003XUS | US     | i5-7400T       | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 2.5"           | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR003YUS | US     | i5-7400T       | No   | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"           | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR0040US | US     | i5-7400T       | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 2.5"           | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR0041US | US     | i5-7400T       | No   | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"           | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR0042US | US     | i5-7400T       | No   | Intel HD 630 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR0043US | US     | i5-7400T       | No   | Intel HD 630 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR0044US | US     | i5-7400T       | No   | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR0045US | US     | i3-6100T       | No   | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 2.5"           | None                       | 3165 ac, 1x1 + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR0046US | US     | i7-6700T       | No   | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |



| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)                        | External Optical / I/O Box | WLAN + Bluetooth     | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Dust Filter | Keyboard / Mouse | VESA Mount | Stand       | Power Supply    | Operating System     | Warranty       | End of Support | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|---------------|--------|---|----------------------------|----------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|-------------|------------------|------------|-------------|-----------------|----------------------|----------------|----------------|------------------|
| 10MR0047US | US     | i5-6500T  | No   | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal            | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Mar 21, 2022   | 03/17            |
| 10MR0048US | US     | i5-6500T  | No   | Intel HD 530 | None          | 8GBx1  | 500GB 7200rpm 2.5"                      | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR0049US | US     | i3-6100T  | No   | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 2.5"                      | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR004AUS | US     | i3-6100T  | No   | Intel HD 530 | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe                 | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR004BUS | US     | i5-6500T  | No   | Intel HD 530 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe Opal            | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR004CUS | US     | i5-6500T  | No   | Intel HD 530 | None          | 8GBx1  | 500GB 7200rpm 2.5"                      | DVD±RW                     | 8265 ac, 2x2 + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | VESA Mount | None        | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR004DUS | US     | i7-6700T  | No   | Intel HD 530 | None          | 8GBx1  | 500GB 7200rpm 2.5"                      | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR004EUS | US     | i3-6100T  | No   | Intel HD 530 | None          | 8GBx1  | 500GB 7200rpm 2.5"                      | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR004FUS | US     | i5-6500T  | No   | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 2.5"                      | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR004GUS | US     | i3-6100T  | No   | Intel HD 530 | None          | 8GBx1  | 500GB 7200rpm 2.5"                      | DVD±RW                     | 3165 ac, 1x1 + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | VESA Mount | None        | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR004HUS | US     | i5-6500T  | No   | Intel HD 530 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe                 | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR004JUS | US     | i3-6100T  | No   | Intel HD 530 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe                 | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR004KUS | US     | i7-6700T  | No   | Intel HD 530 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe Opal            | None                       | 8265 ac, 2x2 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR004LUS | US     | i7-6700T  | No   | Intel HD 530 | None          | 8GBx1  | 500GB 7200rpm 2.5"                      | DVD±RW                     | 8265 ac, 2x2 + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | VESA Mount | None        | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR004MUS | US     | i5-6500T  | No   | Intel HD 530 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe                 | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MR0062US | US     | i5-7400T  | No   | Intel HD 630 | None          | 8GBx1  | 16GB Optane Memory + 500GB 7200rpm 2.5" | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Sep 5, 2022    | 09/17            |
| 10MR0063US | US     | i5-7400T  | No   | Intel HD 630 | None          | 8GBx1  | 16GB Optane Memory + 500GB 7200rpm 2.5" | None                       | 3165 ac, 1x1 + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Sep 5, 2022    | 09/17            |
| 10MR0064US | US     | i7-7700T  | No   | Intel HD 630 | None          | 8GBx1  | 16GB Optane Memory + 500GB 7200rpm 2.5" | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Sep 5, 2022    | 09/17            |
| 10MR0065US | US     | i7-7700T  | No   | Intel HD 630 | None          | 8GBx1  | 16GB Optane Memory + 500GB 7200rpm 2.5" | None                       | 3165 ac, 1x1 + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Sep 5, 2022    | 09/17            |
| 10MR0066US | US     | i3-7100T  | No   | Intel HD 630 | None          | 8GBx1  | 16GB Optane Memory + 500GB 7200rpm 2.5" | None                       | 3165 ac, 1x1 + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Sep 5, 2022    | 09/17            |

| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)                        | External Optical / I/O Box | WLAN + Bluetooth     | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Dust Filter | Keyboard / Mouse | VESA Mount | Stand       | Power Supply    | Operating System | Warranty       | End of Support | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|---------------|--------|---|----------------------------|----------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|-------------|------------------|------------|-------------|-----------------|------------------|----------------|----------------|------------------|
| 10MR0067US | US     | i3-7100T  | No   | Intel HD 630 | None          | 8GBx1  | 16GB Optane Memory + 500GB 7200rpm 2.5" | None                       | 3165 ac, 1x1 + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64     | 3-year, Onsite | Sep 5, 2022    | 09/17            |



# ThinkCentre M710 Tower Platform Specifications

Product Specifications Reference (PSREF)

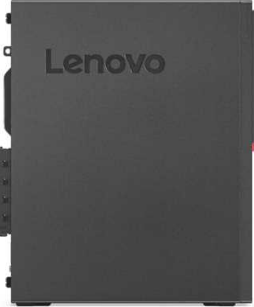
|                            |   |                 |                         |           |                        |                     |  |
|----------------------------|---|-----------------|-------------------------|-----------|------------------------|---------------------|--|
| Processor                  | Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor   |                 |                         |           |                        |                     | Manageability<br>None<br>Security chip<br>TPM (Trusted Platform Module) 2.0, TCG Certified<br>* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS<br>Security features<br>• Security slot (in rear for optional Kensington® MicroSaver® cable)<br>• Padlock loop<br>• Smart USB protection, allows keyboard/mouse only, blocks all storage devices<br>• Optional cable lock to physically lock both keyboard and mouse<br>• Power-on password<br>• Administrator password<br>• Hard disk password<br>• Boot sequence control<br>• Boot without keyboard and mouse<br>• Individual USB port disablement<br>• Optional chassis intrusion switch  |
|                            | Processor   | Cores / Threads | Frequency Base/Max(GHz) | Cache     | Memory Support (Up to) | Integrated Graphics |  |
|                            | Pentium G4400   | 2 / 2           | 3.3G                    | 3 MB      | DDR4-2133              | HD 510              |  |
|                            | Pentium G4560   | 2 / 4           | 3.5G                    | 3 MB      | DDR4-2400              | HD 610              |  |
|                            | Pentium G4600   | 2 / 4           | 3.6G                    | 3 MB      | DDR4-2400              | HD 630              |  |
|                            | Core i3-6100  | 2 / 4           | 3.7G                    | 3 MB      | DDR4-2133              | HD 530              |  |
|                            | Core i5-6500  | 4 / 4           | 3.2G / 3.6G             | 6 MB      | DDR4-2133              | HD 530              |  |
|                            | Core i7-6700  | 4 / 8           | 3.4G / 4.0G             | 8 MB      | DDR4-2133              | HD 530              |  |
|                            | Core i3-7100  | 2 / 4           | 3.9G                    | 3 MB      | DDR4-2400              | HD 630              |  |
|                            | Core i5-7400  | 4 / 4           | 3.0G / 3.5G             | 6 MB      | DDR4-2400              | HD 630              |  |
|                            | Core i5-7500  | 4 / 4           | 3.4G / 3.8G             | 6 MB      | DDR4-2400              | HD 630              |  |
| Core i5-7600               | 4 / 4   | 3.5G / 4.1G     | 6 MB                    | DDR4-2400 | HD 630                 |                     |  |
| Core i7-7700               | 4 / 8   | 3.6G / 4.2G     | 8 MB                    | DDR4-2400 | HD 630                 |                     |  |
| Memory                     | 64GB max, UDIMM, DDR4-2400*, four 288-pin DIMM sockets, non-ECC, dual-channel capable<br>* System automatically clocks down for the processors with lower memory controller   |                 |                         |           |                        |                     | Mechanical<br>• Tower (15L), black color, metal case<br>• (WxDxH) 5.7" X 11.5" X 14.4"; 145mm X 292.7mm X 366mm<br>• Approx. 14.3 lb (6.5 kg), weight may vary by configuration<br>• Optional dust filter<br>Bay 1: Slim external ODD bay<br>Bay 2: 3.5", 1" high, internal, HDD/SSD<br>Bay 3: 3.5", 1" high, internal, HDD/SSD<br>Slot 1: half-length full-height (length < 189mm, height < 104mm), PCIe 3.0 x16*<br>Slot 2: half-length full-height (length < 189mm, height < 104mm), PCIe 3.0 x1*<br>Slot 3: half-length full-height (length < 189mm, height < 104mm), PCIe 3.0 x1*<br>Slot 4: no slot, only bracket for optional port extension*<br>M.2 card slots: Two (one for WLAN, one for SSD/Optane)<br>* Optional front USB3.1 Type-C x2 module occupies PCIe x16 slot (x4 card), optional rear 2x USB2.0 / parallel occupies one expansion slot<br>Power supply<br><i>Some:</i> 180 watts, autosensing, 85% PSU<br><i>Some:</i> 210 watts, autosensing, 85% PSU<br><i>Some:</i> 210 watts, autosensing, 92% PSU (only available via special bid)<br>Limited warranty <sup>3</sup><br><i>Some:</i> 1-year or 3-year, depot service / service upgrades available<br><i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available<br>Preload<br><b>Preloaded operating system</b><br><i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)<br><i>Some:</i> Windows 10 Pro 64-bit<br><i>Some:</i> Windows 10 Home 64-bit<br><b>Preloaded applications (only some listed)</b><br>• Microsoft Office preloaded; purchase a product key to activate<br>• Cyberlink PowerDVD Create (DVD±RW)<br>- Only for Window 10<br>• Lenovo Companion<br>• Lenovo ID<br>• Cyberlink PowerDVD (DVD, DVD±RW)<br>- Only for Window 7<br>• Lenovo Solution Center<br>• Lenovo ThinkVantage Tools<br>• Create Recovery Media<br>• Adobe® Reader®<br>Environment<br>ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)<br>Accessories<br>For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a> |
| Storage                    | <i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"<br><i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s<br><i>Some:</i> Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2<br><i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm)   |                 |                         |           |                        |                     |  |
| Optical                    | <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)  |                 |                         |           |                        |                     |  |
| Onboard SATA Media reader  | Three onboard SATA 6.0Gb/s connectors<br>Optional 7-in-1 media reader   |                 |                         |           |                        |                     |  |
| Graphics                   | <b>Intel HD Graphics 510/530/610/630</b> in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays;<br><i>Max resolution:</i> 4096x2304 (DP) @60Hz; 2048x1536 (VGA) @50Hz<br><i>Some:</i> <b>NVIDIA GeForce® GT 730</b> , DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts;<br><i>Max resolution:</i> 3840x2160 (DisplayPort) @60Hz;<br><i>Some:</i> <b>AMD Radeon™ R7 350</b> , DirectX 11, 2GB, PCIe 3.0 x8 adapter, one VGA, one HDMI, 75 watts, occupies two slots;<br><i>Max resolution:</i> 4096x2160 (HDMI) @24Hz; 2048x1536 (VGA) @85Hz |                 |                         |           |                        |                     |  |
| Monitor Cable              | Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4   |                 |                         |           |                        |                     |  |
| Chipset                    | <b>Intel B250 Chipset</b>   |                 |                         |           |                        |                     |  |
| Front ports                | Four USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)  |                 |                         |           |                        |                     |  |
| Rear ports                 | Two USB 3.1 Gen1, two USB 2.0, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, two PS/2 ports (keyboard/mouse);<br>additional VGA, DisplayPort, or HDMI on optional graphics on some models  |                 |                         |           |                        |                     |  |
| Rear audio ports IEEE 1394 | Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)<br>None  |                 |                         |           |                        |                     |  |
| Audio support              | High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt )  |                 |                         |           |                        |                     |  |
| WLAN <sup>13</sup>         | <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2  |                 |                         |           |                        |                     |  |
| Bluetooth™                 | <i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + BT combo adapter   |                 |                         |           |                        |                     |  |
| Ethernet                   | Gigabit ethernet, Realtek RTL8111GN, Wake on LAN®   |                 |                         |           |                        |                     |  |
| Modem                      | None  |                 |                         |           |                        |                     |  |

See footnotes for more detailed information

| Model      | Region | Processor     | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)             | Optical | Media Reader | WLAN + Bluetooth     | Optional Front Ports | Optional Rear Ports | Chassis Intrusion Switch | Cable Lock | Speaker | Dust Filter | Keyboard / Mouse | Power Supply | Operating System     | Warranty       | Ann Date (mm/yy) |
|------------|--------|---------------|------|--------------|---------------|--------|------------------------------|---------|--------------|----------------------|----------------------|---------------------|--------------------------|------------|---------|-------------|------------------|--------------|----------------------|----------------|------------------|
| 10M9000EUS | US     | i7-7700       | No   | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M9000FUS | US     | i5-7400       | No   | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M9000GUS | US     | i7-7700       | No   | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M9000HUS | US     | i5-7400       | No   | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M9000JUS | US     | i5-7400       | No   | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M9000KUS | US     | i7-7700       | No   | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M9000LUS | US     | i7-7700       | No   | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M9000MUS | US     | i5-7400       | No   | Intel HD 630 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M9000NUS | US     | i5-7400       | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M9000PUS | US     | i5-7400       | No   | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M9000QUS | US     | i7-7700       | No   | Intel HD 630 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M9000RUS | US     | i5-7400       | No   | Intel HD 630 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M9000SUS | US     | i5-7400       | No   | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M9000TUS | US     | i7-7700       | No   | Intel HD 630 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M9000UUS | US     | i7-7700       | No   | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 02/17            |
| 10M9002UUS | US     | i3-6100       | No   | Intel HD 530 | None          | 4GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M9002VUS | US     | i3-6100       | No   | Intel HD 530 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M9002WUS | US     | Pentium G4400 | No   | Intel HD 510 | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M9002XUS | US     | i5-6500       | No   | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M9002YUS | US     | i7-6700       | No   | Intel HD 530 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |

| Model      | Region | Processor     | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)             | Optical | Media Reader | WLAN + Bluetooth     | Optional Front Ports | Optional Rear Ports | Chassis Intrusion Switch | Cable Lock | Speaker | Dust Filter | Keyboard / Mouse | Power Supply | Operating System     | Warranty       | Ann Date (mm/yy) |
|------------|--------|---------------|------|--------------|---------------|--------|------------------------------|---------|--------------|----------------------|----------------------|---------------------|--------------------------|------------|---------|-------------|------------------|--------------|----------------------|----------------|------------------|
| 10M90030US | US     | i7-6700       | No   | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M90031US | US     | i5-6500       | No   | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M90032US | US     | i5-7400       | No   | Intel HD 630 | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 03/17            |
| 10M90033US | US     | i7-6700       | No   | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M90034US | US     | i7-6700       | No   | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M90035US | US     | i3-7100       | No   | Intel HD 630 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 03/17            |
| 10M90036US | US     | i5-6500       | No   | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M90037US | US     | i3-7100       | No   | Intel HD 630 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 03/17            |
| 10M90038US | US     | i5-6500       | No   | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | 3165 ac, 1x1 + BT4.1 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M90039US | US     | i5-6500       | No   | Intel HD 530 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M9003AUS | US     | i3-6100       | No   | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M9003BUS | US     | i3-6100       | No   | Intel HD 530 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M9003CUS | US     | i3-7100       | No   | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 03/17            |
| 10M9003DUS | US     | Pentium G4560 | No   | Intel HD 610 | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 03/17            |
| 10M9003EUS | US     | i7-6700       | No   | Intel HD 530 | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M9003FUS | US     | i7-6700       | No   | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M9003GUS | US     | i5-6500       | No   | Intel HD 530 | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M9003HUS | US     | i5-6500       | No   | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M9003JUS | US     | i5-6500       | No   | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |
| 10M9003KUS | US     | i7-6700       | No   | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 03/17            |

| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD) | Optical | Media Reader | WLAN + Bluetooth | Optional Front Ports | Optional Rear Ports | Chassis Intrusion Switch | Cable Lock | Speaker | Dust Filter | Keyboard / Mouse | Power Supply | Operating System | Warranty       | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|---------------|--------|------------------|---------|--------------|------------------|----------------------|---------------------|--------------------------|------------|---------|-------------|------------------|--------------|------------------|----------------|------------------|
| 10M9003LUS | US     | i3-7100   | No   | Intel HD 630 | None          | 4GBx1  | 1TB 7200rpm 3.5" | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 03/17            |





# ThinkCentre M715 SFF Platform Specifications

Product Specifications Reference (PSREF)

| Processor        | AMD A6 / A8 / A10 / A12 series APU and Ryzen 3 / 5 / 7 series processor   | Security features    | <ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Padlock loop</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Optional cable lock to physically lock both keyboard and mouse</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional chassis intrusion switch</li> </ul>   |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
|------------------|---|----------------------|---|----------------------|----------|---------------------|------------------|-------|-----------|-----|------|------------------|-------|-----------|-----|------|------------------|-------|-----------|-----|------|------------------|--------|-----------|-----|------|-------------|-------|-----------|-----|------------------|--------------|-------|-----------|-----|------------------|--------------|-------|-----------|-----|------------------|-------------|-------|-----------|-----|------------------|-------------|-------|-----------|-----|------------------|--------------|-------|-----------|-----|------------------|--------------|-------|-----------|-----|------------------|----------|--|
|                  | <table border="1"> <thead> <tr> <th>APU / processor</th> <th>Cores / Threads</th> <th>Frequency (Base/Max)</th> <th>L2 Cache</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Ryzen 3 PRO 1200</td> <td>4 / 4</td> <td>3.1 / 3.4</td> <td>2MB</td> <td>None</td> </tr> <tr> <td>Ryzen 3 PRO 1300</td> <td>4 / 4</td> <td>3.5 / 3.7</td> <td>2MB</td> <td>None</td> </tr> <tr> <td>Ryzen 5 PRO 1500</td> <td>4 / 8</td> <td>3.5 / 3.7</td> <td>2MB</td> <td>None</td> </tr> <tr> <td>Ryzen 7 PRO 1700</td> <td>8 / 16</td> <td>3.0 / 3.7</td> <td>4MB</td> <td>None</td> </tr> <tr> <td>PRO A6-8570</td> <td>2 / 2</td> <td>3.5 / 3.8</td> <td>1MB</td> <td>Radeon R5 Series</td> </tr> <tr> <td>PRO A10-8770</td> <td>4 / 4</td> <td>3.5 / 3.8</td> <td>2MB</td> <td>Radeon R7 Series</td> </tr> <tr> <td>PRO A12-8870</td> <td>4 / 4</td> <td>3.7 / 4.2</td> <td>2MB</td> <td>Radeon R7 Series</td> </tr> <tr> <td>PRO A6-9500</td> <td>2 / 2</td> <td>3.5 / 3.8</td> <td>1MB</td> <td>Radeon R5 Series</td> </tr> <tr> <td>PRO A8-9600</td> <td>4 / 4</td> <td>3.1 / 3.4</td> <td>2MB</td> <td>Radeon R7 Series</td> </tr> <tr> <td>PRO A10-9700</td> <td>4 / 4</td> <td>3.5 / 3.8</td> <td>2MB</td> <td>Radeon R7 Series</td> </tr> <tr> <td>PRO A12-9800</td> <td>4 / 4</td> <td>3.8 / 4.2</td> <td>2MB</td> <td>Radeon R7 Series</td> </tr> </tbody> </table> | APU / processor      | Cores / Threads   | Frequency (Base/Max) | L2 Cache | Integrated Graphics | Ryzen 3 PRO 1200 | 4 / 4 | 3.1 / 3.4 | 2MB | None | Ryzen 3 PRO 1300 | 4 / 4 | 3.5 / 3.7 | 2MB | None | Ryzen 5 PRO 1500 | 4 / 8 | 3.5 / 3.7 | 2MB | None | Ryzen 7 PRO 1700 | 8 / 16 | 3.0 / 3.7 | 4MB | None | PRO A6-8570 | 2 / 2 | 3.5 / 3.8 | 1MB | Radeon R5 Series | PRO A10-8770 | 4 / 4 | 3.5 / 3.8 | 2MB | Radeon R7 Series | PRO A12-8870 | 4 / 4 | 3.7 / 4.2 | 2MB | Radeon R7 Series | PRO A6-9500 | 2 / 2 | 3.5 / 3.8 | 1MB | Radeon R5 Series | PRO A8-9600 | 4 / 4 | 3.1 / 3.4 | 2MB | Radeon R7 Series | PRO A10-9700 | 4 / 4 | 3.5 / 3.8 | 2MB | Radeon R7 Series | PRO A12-9800 | 4 / 4 | 3.8 / 4.2 | 2MB | Radeon R7 Series | Keyboard | <i>Some:</i> Lenovo Calliope Keyboard (USB connector), black<br><i>Some:</i> Lenovo Traditional Keyboard (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black |
| APU / processor  | Cores / Threads   | Frequency (Base/Max) | L2 Cache  | Integrated Graphics  |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Ryzen 3 PRO 1200 | 4 / 4   | 3.1 / 3.4            | 2MB   | None                 |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Ryzen 3 PRO 1300 | 4 / 4   | 3.5 / 3.7            | 2MB   | None                 |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Ryzen 5 PRO 1500 | 4 / 8   | 3.5 / 3.7            | 2MB   | None                 |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Ryzen 7 PRO 1700 | 8 / 16  | 3.0 / 3.7            | 4MB   | None                 |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| PRO A6-8570      | 2 / 2   | 3.5 / 3.8            | 1MB   | Radeon R5 Series     |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| PRO A10-8770     | 4 / 4   | 3.5 / 3.8            | 2MB   | Radeon R7 Series     |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| PRO A12-8870     | 4 / 4   | 3.7 / 4.2            | 2MB   | Radeon R7 Series     |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| PRO A6-9500      | 2 / 2   | 3.5 / 3.8            | 1MB   | Radeon R5 Series     |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| PRO A8-9600      | 4 / 4   | 3.1 / 3.4            | 2MB   | Radeon R7 Series     |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| PRO A10-9700     | 4 / 4   | 3.5 / 3.8            | 2MB   | Radeon R7 Series     |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| PRO A12-9800     | 4 / 4   | 3.8 / 4.2            | 2MB   | Radeon R7 Series     |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
|                  |   | Mouse                | <i>Some:</i> Lenovo Calliope Mouse (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black<br><i>Some:</i> Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black  |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Memory           | 64GB max, UDIMM, DDR4-2400, four 288-pin DIMM sockets, non-ECC, dual-channel capable*<br>* System automatically clocks down for the processors with lower memory controller   | Mechanical           | <ul style="list-style-type: none"> <li>SFF (8.4L), black color; metal case</li> <li>(WxDxH) 3.6" X 11.4" X 13.5"; 92.5mm X 290.5mm X 343.5mm</li> <li>Approx. 13.2 lb (6.0 kg), weight may vary by configuration</li> <li>Toolless cover, disk, optical removal</li> <li>Optional dust filter</li> <li>Bay 1: Slim external ODD bay</li> <li>Bay 2: 3.5", internal, HDD/SSD</li> <li>Bay 3: 2.5", internal, HDD/SSD (bay only comes with 2.5" 2nd disk)</li> <li>Slot 1: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x16*</li> <li>Slot 2: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 2.0 x1*</li> <li>Slot 3: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 2.0 x1*</li> <li>Slot 4: no slot, only bracket for optional port extension*</li> <li>M.2 card slots: two (one for WLAN, one for SSD)</li> <li>* Optional front USB3.1 Type-C x2 module occupies PCIe x16 slot (x4 card), optional rear 2x USB2.0 / parallel / 2nd serial occupies one expansion slot</li> </ul> |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Storage          | <i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"<br><i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s   | Floor Stand          | Optional system floor stand for vertical orientation  |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Optical          | <i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm)<br><i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)   | Power supply         | <i>Some:</i> 180 watts, autosensing, 85% PSU<br><i>Some:</i> 210 watts, autosensing, 85% PSU<br><i>Some:</i> 210 watts, autosensing, 92% PSU (only available via special bid)   |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Onboard SATA     | Three onboard SATA 6.0Gb/s connectors   | Limited warranty     | <i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available<br><i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available   |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Media reader     | Optional 7-in-1 media reader  | Preload              | <b>Preloaded operating system</b><br><i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (Only available with Pro A6/A10/A12-8xxx APUs)<br><i>Some:</i> Windows 10 Pro 64-bit<br><i>Some:</i> Windows 10 Home 64-bit<br><b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Only for Window 10</li> <li>Lenovo Companion</li> <li>Lenovo ID</li> <li>Only for Window 7</li> <li>Lenovo Solution Center</li> <li>Lenovo ThinkVantage Tools</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> <li>Cyberlink PowerDVD Create (DVD±RW)</li> </ul>   |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Graphics         | <b>AMD Radeon™ Graphics in processor</b> (not for AMD Ryzen processor), uses main memory, DirectX® 12, one VGA, two DisplayPort™ (Onboard VGA and DP ports are invalid on the models with AMD Ryzen processor), supports 3 independent displays, works along with AMD discrete graphics to support more displays;<br><i>Max resolution:</i> 4096x2160 (DP)@60Hz; 1920x1200 (VGA)@60Hz<br><i>Some:</i> <b>NVIDIA GeForce® GT 730</b> , DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts;<br><i>Max resolution:</i> 3840x2160 (DisplayPort)@60Hz;  | Monitor cable        | Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4   |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Monitor cable    | Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4   | Chipset              | <b>AMD B350 Chipset</b>   |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Chipset          | <b>AMD B350 Chipset</b>   | Front ports          | Two USB 3.1 Gen2, two USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)   |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Front ports      | Two USB 3.1 Gen2, two USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)   | Rear ports           | Two USB 3.1 Gen1, two USB 2.0, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA and two DisplayPort (not available on models with AMD Ryzen processor), two PS/2 ports (keyboard / mouse); additional DisplayPort on optional graphics on some models   |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Rear ports       | Two USB 3.1 Gen1, two USB 2.0, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA and two DisplayPort (not available on models with AMD Ryzen processor), two PS/2 ports (keyboard / mouse); additional DisplayPort on optional graphics on some models   | Rear audio ports     | Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)  |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Rear audio ports | Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)  | IEEE 1394            | None  |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| IEEE 1394        | None  | Audio support        | High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt )  |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Audio support    | High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt )  | WLAN                 | <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821AE (dual band), Wi-Fi + Bluetooth 4.0 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1  |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| WLAN             | <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821AE (dual band), Wi-Fi + Bluetooth 4.0 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1  | Bluetooth™           | <i>Some:</i> Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter  |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Bluetooth™       | <i>Some:</i> Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter  | Ethernet             | Gigabit ethernet, Realtek RTL8111EPV, Wake on LAN®  |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Ethernet         | Gigabit ethernet, Realtek RTL8111EPV, Wake on LAN®  | Modem                | None  |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Modem            | None  | Manageability        | DASH  |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Manageability    | DASH  | Security chip        | TPM (Trusted Platform Module) 2.0, TCG Certified  |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
| Security chip    | TPM (Trusted Platform Module) 2.0, TCG Certified  |                      | * Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS   |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |
|                  | * Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS   | Accessories          | For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>  |                      |          |                     |                  |       |           |     |      |                  |       |           |     |      |                  |       |           |     |      |                  |        |           |     |      |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |             |       |           |     |                  |             |       |           |     |                  |              |       |           |     |                  |              |       |           |     |                  |          |  |

| Model      | Region | Processor        | vPro | Graphics        | Monitor Cable | Memory | Storage(HDD/SSD)             | Optical | Media Reader | WLAN + Bluetooth | Optional Front Ports | Optional Rear Ports | Chassis Intrusion Switch | Cable Lock | Speaker | Dust Filter | Keyboard / Mouse | Stand       | Power Supply | Operating System     | Warranty       | Ann Date (mm/yy) |
|------------|--------|------------------|------|-----------------|---------------|--------|------------------------------|---------|--------------|------------------|----------------------|---------------------|--------------------------|------------|---------|-------------|------------------|-------------|--------------|----------------------|----------------|------------------|
| 10MB0018US | US     | AMD PRO A8-9600  | No   | AMD R7 Graphics | None          | 4GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB0019US | US     | AMD PRO A12-9800 | No   | AMD R7 Graphics | None          | 4GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001AUS | US     | AMD PRO A10-9700 | No   | AMD R7 Graphics | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001BUS | US     | AMD PRO A12-9800 | No   | AMD R7 Graphics | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001CUS | US     | AMD PRO A8-9600  | No   | AMD R7 Graphics | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001DUS | US     | AMD PRO A10-9700 | No   | AMD R7 Graphics | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001EUS | US     | AMD PRO A6-9500  | No   | AMD R5 Graphics | None          | 4GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001FUS | US     | AMD PRO A6-9500  | No   | AMD R5 Graphics | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001GUS | US     | AMD PRO A12-9800 | No   | AMD R7 Graphics | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001HUS | US     | AMD PRO A10-9700 | No   | AMD R7 Graphics | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001JUS | US     | AMD PRO A6-9500  | No   | AMD R5 Graphics | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001KUS | US     | AMD PRO A6-9500  | No   | AMD R5 Graphics | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001LUS | US     | AMD PRO A8-9600  | No   | AMD R7 Graphics | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001MUS | US     | AMD PRO A12-9800 | No   | AMD R7 Graphics | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001NUS | US     | AMD PRO A8-9600  | No   | AMD R7 Graphics | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001PUS | US     | AMD PRO A10-9700 | No   | AMD R7 Graphics | None          | 4GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001QUS | US     | AMD PRO A10-9700 | No   | AMD R7 Graphics | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001RUS | US     | AMD PRO A12-9800 | No   | AMD R7 Graphics | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB001SUS | US     | AMD PRO A6-8570  | No   | AMD R5 Graphics | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB001TUS | US     | AMD PRO A12-8870 | No   | AMD R7 Graphics | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | None             | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |

| Model      | Region | Processor        | vPro | Graphics        | Monitor Cable | Memory | Storage(HDD/SSD)             | Optical | Media Reader | WLAN + Bluetooth          | Optional Front Ports | Optional Rear Ports | Chassis Intrusion Switch | Cable Lock | Speaker | Dust Filter | Keyboard / Mouse | Stand       | Power Supply | Operating System     | Warranty       | Ann Date (mm/yy) |
|------------|--------|------------------|------|-----------------|---------------|--------|------------------------------|---------|--------------|---------------------------|----------------------|---------------------|--------------------------|------------|---------|-------------|------------------|-------------|--------------|----------------------|----------------|------------------|
| 10MB001UUS | US     | AMD PRO A6-8570  | No   | AMD R5 Graphics | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB001VUS | US     | AMD PRO A10-8770 | No   | AMD R7 Graphics | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB001WUS | US     | AMD PRO A10-8770 | No   | AMD R7 Graphics | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB001XUS | US     | AMD PRO A12-8870 | No   | AMD R7 Graphics | None          | 4GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB001YUS | US     | AMD PRO A10-8770 | No   | AMD R7 Graphics | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | RTL8821AE ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB0020US | US     | AMD PRO A12-8870 | No   | AMD R7 Graphics | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB0021US | US     | AMD PRO A10-8770 | No   | AMD R7 Graphics | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | RTL8821AE ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB0022US | US     | AMD PRO A6-8570  | No   | AMD R5 Graphics | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB0023US | US     | AMD PRO A6-8570  | No   | AMD R5 Graphics | None          | 4GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | RTL8821AE ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB0024US | US     | AMD PRO A12-8870 | No   | AMD R7 Graphics | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | RTL8821AE ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB0025US | US     | AMD PRO A10-8770 | No   | AMD R7 Graphics | None          | 4GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | RTL8821AE ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB0026US | US     | AMD PRO A12-8870 | No   | AMD R7 Graphics | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB0027US | US     | AMD PRO A10-8770 | No   | AMD R7 Graphics | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB0028US | US     | AMD PRO A10-8770 | No   | AMD R7 Graphics | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB0029US | US     | AMD PRO A6-8570  | No   | AMD R5 Graphics | None          | 4GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB002AUS | US     | AMD PRO A12-8870 | No   | AMD R7 Graphics | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB002BUS | US     | AMD PRO A10-8770 | No   | AMD R7 Graphics | None          | 4GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB002CUS | US     | AMD PRO A12-8870 | No   | AMD R7 Graphics | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | RTL8821AE ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | 07/17            |
| 10MB002DUS | US     | AMD PRO A10-9700 | No   | AMD R7 Graphics | None          | 4GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | RTL8821AE ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 06/17            |
| 10MB002EUS | US     | AMD PRO A10-9700 | No   | AMD R7 Graphics | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | RTL8821AE ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | 07/17            |

| Model      | Region | Processor            | vPro | Graphics        | Monitor Cable | Memory | Storage(HDD/SSD)             | Optical | Media Reader | WLAN + Bluetooth          | Optional Front Ports | Optional Rear Ports | Chassis Intrusion Switch | Cable Lock | Speaker | Dust Filter | Keyboard / Mouse | Stand       | Power Supply | Operating System | Warranty       | Ann Date (mm/yy) |
|------------|--------|----------------------|------|-----------------|---------------|--------|------------------------------|---------|--------------|---------------------------|----------------------|---------------------|--------------------------|------------|---------|-------------|------------------|-------------|--------------|------------------|----------------|------------------|
| 10MB002FUS | US     | AMD PRO A8-9600      | No   | AMD R7 Graphics | None          | 4GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | RTL8821Ae ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 06/17            |
| 10MB002GUS | US     | AMD PRO A8-9600      | No   | AMD R7 Graphics | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | RTL8821Ae ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 06/17            |
| 10MB002HUS | US     | AMD PRO A12-9800     | No   | AMD R7 Graphics | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | RTL8821Ae ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 06/17            |
| 10MB002JUS | US     | AMD PRO A10-9700     | No   | AMD R7 Graphics | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | RTL8821Ae ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 06/17            |
| 10MB002KUS | US     | AMD PRO A12-9800     | No   | AMD R7 Graphics | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | RTL8821Ae ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 06/17            |
| 10MB002LUS | US     | AMD PRO A8-9600      | No   | AMD R7 Graphics | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | RTL8821Ae ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 06/17            |
| 10MB002MUS | US     | AMD PRO A6-9500      | No   | AMD R5 Graphics | None          | 4GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | RTL8821Ae ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 06/17            |
| 10MB002PUS | US     | AMD Ryzen 5 PRO 1500 | No   | GT 730 2GB      | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB002QUS | US     | AMD Ryzen 5 PRO 1500 | No   | GT 730 2GB      | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB002RUS | US     | AMD Ryzen 5 PRO 1500 | No   | GT 730 2GB      | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | RTL8821Ae ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB002SUS | US     | AMD Ryzen 3 PRO 1200 | No   | GT 730 2GB      | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB002TUS | US     | AMD Ryzen 3 PRO 1200 | No   | GT 730 2GB      | None          | 4GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | RTL8821Ae ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB002UUS | US     | AMD Ryzen 3 PRO 1200 | No   | GT 730 2GB      | None          | 4GBx1  | 128GB SSD                    | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB002VUS | US     | AMD Ryzen 3 PRO 1200 | No   | GT 730 2GB      | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB002WUS | US     | AMD Ryzen 5 PRO 1500 | No   | GT 730 2GB      | None          | 8GBx1  | 128GB SSD                    | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB002XUS | US     | AMD Ryzen 7 PRO 1700 | No   | GT 730 2GB      | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | RTL8821Ae ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB002YUS | US     | AMD Ryzen 5 PRO 1500 | No   | GT 730 2GB      | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | RTL8821Ae ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB0030US | US     | AMD Ryzen 5 PRO 1500 | No   | GT 730 2GB      | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB0031US | US     | AMD Ryzen 3 PRO 1200 | No   | GT 730 2GB      | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | RTL8821Ae ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB0032US | US     | AMD Ryzen 5 PRO 1500 | No   | GT 730 2GB      | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |

| Model      | Region | Processor            | vPro | Graphics   | Monitor Cable | Memory | Storage(HDD/SSD)             | Optical | Media Reader | WLAN + Bluetooth          | Optional Front Ports | Optional Rear Ports | Chassis Intrusion Switch | Cable Lock | Speaker | Dust Filter | Keyboard / Mouse | Stand       | Power Supply | Operating System | Warranty       | Ann Date (mm/yy) |
|------------|--------|----------------------|------|------------|---------------|--------|------------------------------|---------|--------------|---------------------------|----------------------|---------------------|--------------------------|------------|---------|-------------|------------------|-------------|--------------|------------------|----------------|------------------|
| 10MB0033US | US     | AMD Ryzen 7 PRO 1700 | No   | GT 730 2GB | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB0034US | US     | AMD Ryzen 5 PRO 1500 | No   | GT 730 2GB | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB0035US | US     | AMD Ryzen 3 PRO 1200 | No   | GT 730 2GB | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB0036US | US     | AMD Ryzen 3 PRO 1200 | No   | GT 730 2GB | None          | 8GBx1  | 128GB SSD                    | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB0037US | US     | AMD Ryzen 7 PRO 1700 | No   | GT 730 2GB | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB0038US | US     | AMD Ryzen 3 PRO 1200 | No   | GT 730 2GB | None          | 4GBx1  | 500GB 7200rpm 3.5"           | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB0039US | US     | AMD Ryzen 5 PRO 1500 | No   | GT 730 2GB | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB003AUS | US     | AMD Ryzen 7 PRO 1700 | No   | GT 730 2GB | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | RTL8821AE ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB003BUS | US     | AMD Ryzen 3 PRO 1200 | No   | GT 730 2GB | None          | 4GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB003CUS | US     | AMD Ryzen 5 PRO 1500 | No   | GT 730 2GB | None          | 4GBx1  | 128GB SSD                    | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB003DUS | US     | AMD Ryzen 5 PRO 1500 | No   | GT 730 2GB | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | RTL8821AE ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB003EUS | US     | AMD Ryzen 3 PRO 1200 | No   | GT 730 2GB | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | RTL8821AE ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB003FUS | US     | AMD Ryzen 3 PRO 1200 | No   | GT 730 2GB | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe      | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB003GUS | US     | AMD Ryzen 7 PRO 1700 | No   | GT 730 2GB | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe Opal | DVD±RW  | None         | None                      | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |
| 10MB003HUS | US     | AMD Ryzen 3 PRO 1200 | No   | GT 730 2GB | None          | 8GBx1  | 1TB 7200rpm 3.5"             | DVD±RW  | None         | RTL8821AE ac, 1x1 + BT4.0 | None                 | None                | None                     | None       | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64     | 3-year, Onsite | 07/17            |



# ThinkCentre M715 Tiny Platform Specifications

Product Specifications Reference (PSREF)

|                                 |   |               |                    |           |                  |   |   |   |   |
|---------------------------------|---|---------------|--------------------|-----------|------------------|---|---|---|---|
| Processor                       | AMD A6, A10, or A12 series APUs   |               |                    |           |                  |   | Keyboard  | <i>Some:</i> Fullsize USB Keyboard (USB connector), Lenovo logo<br><i>Some:</i> Lenovo New Slim USB Keyboard (USB connector), black, Lenovo logo  |   |
|                                 | APU   | Cores         | Frequency Base/Max | L2 Cache  | Memory Types     | Integrated Graphics   | Mouse   | <i>Some:</i> USB Optical Wheel Mouse, black, Lenovo logo  |   |
|                                 | PRO A6-9500E  | 2             | 3.0 / 3.4 GHz      | 1 MB      | DDR4-2400        | Radeon R5 Series  | Mechanical  | Tiny (1L), black color; metal case  |   |
|                                 | PRO A10-9700E   | 4             | 3.0 / 3.5 GHz      | 2 MB      | DDR4-2400        | Radeon R7 Series  |   | M715 Tiny only:<br>7.05" W X 7.20" D X 1.36" H<br>179mm W X 182.9mm D X 34.5mm H<br>2.9 lb (1.3 kg), weight may vary by configuration   |   |
|                                 | PRO A12-9800E   | 4             | 3.1 / 3.8 GHz      | 2 MB      | DDR4-2400        | Radeon R7 Series  |   | With VESA mount & ODD box:<br>7.42" W X 7.30" D X 2.48" H<br>188.4mm W X 185.38mm D X 63mm H  |   |
|                                 | PRO A6-8570E  | 2             | 3.0 / 3.4 GHz      | 1 MB      | DDR4-2400        | Radeon R5 Series  |   | 4.12 lb (1.87 kg), weight may vary by configuration   |   |
|                                 | PRO A10-8770E   | 4             | 2.8 / 3.5 GHz      | 2 MB      | DDR4-2400        | Radeon R7 Series  |   | With VESA mount & I/O box:<br>7.42" W X 7.30" D X 2.62" H<br>188.4mm W X 185.38mm D X 66.6mm H  |   |
| PRO A12-8870E                   | 4   | 2.9 / 3.8 GHz | 2 MB               | DDR4-2400 | Radeon R7 Series | 3.53 lb (1.6 kg), weight may vary by configuration  |   |   |   |
| PRO A12-8870E                   | 4   | 2.9 / 3.8 GHz | 2 MB               | DDR4-2400 | Radeon R7 Series | Optional VESA mount bracket kit, supports VESA 75mm and 100mm<br>Optional system floor stand for vertical orientation |   |   |   |
| Memory                          | 32GB max, DDR4 2400, two 260-pin SO-DIMM sockets, dual-channel capable<br>*16GB single SO-DIMM is only available via special bid models   |               |                    |           |                  |   | VESA mount<br>Floor Stand                           | Optional system floor stand for vertical orientation  |   |
| Disk                            | <i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm<br><i>Some:</i> M.2 Solid State Drive (SSD) / SATA interface or PCIe NVMe interface  |               |                    |           |                  |   | Power supply  | 65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)<br>90 watts AC/DC adapter, autosensing, 88% PSU (only for models with I/O box)   |   |
| Optical                         | <i>Some:</i> DVD-ROM, 9.0mm high, via USB external ODD box<br><i>Some:</i> DVD±RW, 9.0mm high, via USB external ODD box   |               |                    |           |                  |   |   | Limited warranty <sup>3</sup>   | <i>Some:</i> 1-year or 3-year, depot service / service upgrades available<br><i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available   |
| Onboard SATA<br>Media reader    | One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar<br>None   |               |                    |           |                  |   | Preload   | <b>Preloaded operating system</b><br><i>Some:</i> Windows 10 Pro 64-bit<br><i>Some:</i> Windows 10 Home 64-bit<br><i>Some:</i> Windows® 7 Professional 64<br>preinstalled through downgrade<br>rights in Windows 10 Pro 64-bit<br><i>Some:</i> Windows Embedded Standard 7<br>(WES 7) V2<br><i>Some:</i> Windows 10 IoT Enterprise<br><i>Some:</i> LeTOS V2 (Lenovo Terminal<br>Operating System, Linux-based)  |   |
| Graphics                        | <b>AMD Radeon™ Graphics</b> in processor, uses main memory, DirectX® 12, two<br>DisplayPort™, one optional port (HDMI, VGA, or 3rd DP), supports 3 independent<br>displays (supports maximum of 2 concurrent HDMI/DVI displays when using HDMI<br>port or DP to DVI/HDMI dongles);<br><i>Max resolution:</i> 4096x2160 (DP)@60Hz; 4096x2160 (HDMI)@60Hz;<br>1920x1200 (VGA)@60Hz  |               |                    |           |                  |   |   | <b>Preloaded applications (only some<br/>listed)</b><br>- <i>Windows 10 only</i><br>● Lenovo Companion<br>● Lenovo ID<br>● Lenovo ThinkVantage Tools<br>● Microsoft Office preloaded;<br>purchase a product key to activate<br>● Cyberlink PowerDVD (DVD,<br>DVD±RW)<br>● PowerDVD Create (DVD±RW)<br>- <i>Windows 7 only</i><br>● Lenovo Solution Center<br>● ThinkVantage System Update<br>● Lenovo Display Manager<br>● Create Recovery Media<br>● Lenovo ThinkVantage Tools<br>● Cyberlink PowerDVD (DVD,<br>DVD±RW)<br>● PowerDVD Create (DVD±RW)<br>● Microsoft Office preloaded;<br>purchase a product key to activate<br>● Adobe® Reader® |   |
| DP cable                        | Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle   |               |                    |           |                  |   | Chipset   |   |   |
| Chipset                         | <b>AMD B300 Chipset</b>   |               |                    |           |                  |   |   | Front ports   | Two USB 3.0 (one is Always On and fast charge), one microphone (stereo, 3.5mm),<br>one headphone / microphone combo jack (stereo, 3.5mm)  |
| Rear ports                      | One USB 3.0 and three USB 2.0 (optional external optical box or I/O box occupies<br>one specific USB 2.0 on some models), ethernet (RJ-45), two DisplayPort,<br>one optional port (VGA, 3rd DP, HDMI, or serial on some models), one headphone<br>Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one<br>serial, and two PS/2, via USB port (occupy one specific USB 2.0 of M715q Tiny) |               |                    |           |                  |   | I/O box   |   | One USB 3.0 and three USB 2.0 (optional external optical box or I/O box occupies<br>one specific USB 2.0 on some models), ethernet (RJ-45), two DisplayPort,<br>one optional port (VGA, 3rd DP, HDMI, or serial on some models), one headphone<br>Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one<br>serial, and two PS/2, via USB port (occupy one specific USB 2.0 of M715q Tiny) |
| Audio support                   | High Definition (HD) Audio, Realtek ALC233-CG / internal speaker (1.5 watt)   |               |                    |           |                  |   |   | WLAN <sup>13</sup>  | <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821AE (dual band),<br>Wi-Fi + Bluetooth 4.0 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band),<br>Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band),<br>Wi-Fi + Bluetooth 4.1 combo adapter, 1x1   |
| Bluetooth™<br>Ethernet<br>Modem | <i>Some:</i> Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter<br>Gigabit ethernet, Realtek RTL8111EPV, Wake on LAN®<br>None  |               |                    |           |                  |   | Manageability<br>Security chip<br>Security features |   | <i>Some:</i> Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter<br>Gigabit ethernet, Realtek RTL8111EPV, Wake on LAN®<br>None  |
| Manageability                   | DASH 1.0/1.1<br>Discrete TPM 2.0, TCG Certified   |               |                    |           |                  |   |   | Environment   | ENERGY STAR® 6.1*, EPEAT™ Gold rating* (*for Windows models only);<br>ErP Lot 3; GREENGUARD®; RoHS-compliant  |
| Security chip                   | ● Security slot (in rear for optional<br>Kensington® MicroSaver® cable)<br>● Padlock loop<br>● Smart USB protection, allows keyboard/<br>mouse only, blocks all storage devices<br>● Power-on password  |               |                    |           |                  |   | Accessories   |   | For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>  |
| Security features               | ● Administrator password<br>● Hard disk password<br>● Boot sequence control<br>● Boot without keyboard and mouse<br>● Individual USB port disablement<br>● Chassis intrusion switch   |               |                    |           |                  |   |   |   |   |

| Model      | Region | Processor         | vPro | Graphics        | Monitor Cable | Memory | Storage(HDD/SSD)        | External Optical / I/O Box | WLAN + Bluetooth          | Optional Rear Ports | Speaker | Adapter Cage | Toolless Chassis Screw | Dust Filter | Keyboard / Mouse | VESA Mount | Stand       | Power Supply    | OS                   | Warranty       | Ann Date (m/y) |
|------------|--------|-------------------|------|-----------------|---------------|--------|-------------------------|----------------------------|---------------------------|---------------------|---------|--------------|------------------------|-------------|------------------|------------|-------------|-----------------|----------------------|----------------|----------------|
| 10M30001US | US     | AMD PRO A6-9500E  | No   | AMD R5 Graphics | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 11/16          |
| 10M30002US | US     | AMD PRO A10-9700E | No   | AMD R7 Graphics | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | RTL8821AE ac, 1x1 + BT4.0 | Serial              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 10/16          |
| 10M30003US | US     | AMD A10-9700E     | No   | AMD R7 Graphics | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | RTL8821AE ac, 1x1 + BT4.0 | VGA                 | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 10/16          |
| 10M30004US | US     | AMD A10-9700E     | No   | AMD R7 Graphics | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 10/16          |
| 10M30005US | US     | AMD PRO A12-9800E | No   | AMD R7 Graphics | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 10/16          |
| 10M30006US | US     | AMD PRO A10-9700E | No   | AMD R7 Graphics | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 10/16          |
| 10M30007US | US     | AMD PRO A6-9500E  | No   | AMD R5 Graphics | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 10/16          |
| 10M30008US | US     | AMD PRO A10-9700E | No   | AMD R7 Graphics | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 10/16          |
| 10M30009US | US     | AMD PRO A12-9800E | No   | AMD R7 Graphics | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 10/16          |
| 10M3000AUS | US     | AMD PRO A12-9800E | No   | AMD R7 Graphics | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 10/16          |
| 10M3000BUS | US     | AMD A10-9700E     | No   | AMD R7 Graphics | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 10/16          |
| 10M3000CUS | US     | AMD PRO A10-9700E | No   | AMD R7 Graphics | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 10/16          |
| 10M3000DUS | US     | AMD PRO A10-9700E | No   | AMD R7 Graphics | None          | 4GBx1  | 500GB 7200rpm 2.5"      | DVD±RW                     | RTL8821AE ac, 1x1 + BT4.0 | HDMI                | 1Wx1    | None         | None                   | None        | USB / USB        | VESA Mount | None        | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 10/16          |
| 10M3000NUS | US     | AMD PRO A12-8870E | No   | AMD R7 Graphics | None          | 8GBx2  | 512GB SSD M.2 PCIe NVMe | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 01/17          |
| 10M3000PUS | US     | AMD PRO A12-9800E | No   | AMD R7 Graphics | None          | 8GBx2  | 512GB SSD M.2 PCIe NVMe | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 01/17          |
| 10M3000QUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 01/17          |
| 10M3000RUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 01/17          |
| 10M3000SUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 8GBx1  | 500GB 7200rpm 2.5"      | DVD±RW                     | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | VESA Mount | None        | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 01/17          |
| 10M3000TUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 01/17          |



| Model      | Region | Processor         | vPro | Graphics        | Monitor Cable | Memory | Storage(HDD/SSD)        | External Optical / I/O Box | WLAN + Bluetooth          | Optional Rear Ports | Speaker | Adapter Cage | Toolless Chassis Screw | Dust Filter | Keyboard / Mouse | VESA Mount | Stand       | Power Supply    | OS                   | Warranty       | Ann Date (m/y) |
|------------|--------|-------------------|------|-----------------|---------------|--------|-------------------------|----------------------------|---------------------------|---------------------|---------|--------------|------------------------|-------------|------------------|------------|-------------|-----------------|----------------------|----------------|----------------|
| 10M3000UUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 01/17          |
| 10M3000VUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 01/17          |
| 10M3000WUS | US     | AMD PRO A10-9700E | No   | AMD R7 Graphics | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 01/17          |
| 10M3000XUS | US     | AMD PRO A12-8870E | No   | AMD R7 Graphics | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 01/17          |
| 10M3000YUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 01/17          |
| 10M30010US | US     | AMD PRO A10-9700E | No   | AMD R7 Graphics | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 01/17          |
| 10M30011US | US     | AMD PRO A12-8870E | No   | AMD R7 Graphics | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 01/17          |

| Model      | Region | Processor         | vPro | Graphics        | Monitor Cable | Memory | Storage(HDD/SSD)  | External Optical / I/O Box | WLAN + Bluetooth          | Optional Rear Ports | Speaker | Adapter Cage | Toolless Chassis Screw | Dust Filter | Keyboard / Mouse | VESA Mount | Stand       | Power Supply    | OS                        | Warranty       | Ann Date (m/y) |
|------------|--------|-------------------|------|-----------------|---------------|--------|-------------------|----------------------------|---------------------------|---------------------|---------|--------------|------------------------|-------------|------------------|------------|-------------|-----------------|---------------------------|----------------|----------------|
| 10RB0000US | US     | AMD PRO A6-8570E  | No   | AMD R5 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7 V2                  | 3-year, Onsite | 07/17          |
| 10RB0001US | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Windows 10 IoT Enterprise | 3-year, Onsite | 07/17          |
| 10RB0002US | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | HDMI                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7 V2                  | 3-year, Onsite | 07/17          |
| 10RB0003US | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7 V2                  | 3-year, Onsite | 07/17          |
| 10RB0004US | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | Serial              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 3-year, Onsite | 07/17          |
| 10RB0005US | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 3-year, Onsite | 07/17          |
| 10RB0006US | US     | AMD PRO A6-8570E  | No   | AMD R5 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | Serial              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 3-year, Onsite | 07/17          |
| 10RB0007US | US     | AMD PRO A6-8570E  | No   | AMD R5 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | VGA                 | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Windows 10 IoT Enterprise | 3-year, Onsite | 07/17          |
| 10RB0008US | US     | AMD PRO A6-8570E  | No   | AMD R5 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | HDMI                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Windows 10 IoT Enterprise | 3-year, Onsite | 07/17          |
| 10RB0009US | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | VGA                 | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7 V2                  | 3-year, Onsite | 07/17          |
| 10RB000AUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Windows 10 IoT Enterprise | 3-year, Onsite | 07/17          |
| 10RB000BUS | US     | AMD PRO A6-8570E  | No   | AMD R5 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | Serial              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Windows 10 IoT Enterprise | 3-year, Onsite | 07/17          |
| 10RB000CUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | VGA                 | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 3-year, Onsite | 07/17          |
| 10RB000DUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | Serial              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Windows 10 IoT Enterprise | 3-year, Onsite | 07/17          |
| 10RB000EUS | US     | AMD PRO A6-8570E  | No   | AMD R5 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 3-year, Onsite | 07/17          |
| 10RB000FUS | US     | AMD PRO A6-8570E  | No   | AMD R5 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Windows 10 IoT Enterprise | 3-year, Onsite | 07/17          |
| 10RB000GUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | HDMI                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Windows 10 IoT Enterprise | 3-year, Onsite | 07/17          |
| 10RB000HUS | US     | AMD PRO A6-8570E  | No   | AMD R5 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | Serial              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7 V2                  | 3-year, Onsite | 07/17          |
| 10RB000JUS | US     | AMD PRO A6-8570E  | No   | AMD R5 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821AE ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Windows 10 IoT Enterprise | 3-year, Onsite | 07/17          |

| Model      | Region | Processor         | vPro | Graphics        | Monitor Cable | Memory | Storage(HDD/SSD)  | External Optical / I/O Box | WLAN + Bluetooth          | Optional Rear Ports | Speaker | Adapter Cage | Toolless Chassis Screw | Dust Filter | Keyboard / Mouse | VESA Mount | Stand       | Power Supply    | OS                        | Warranty       | Ann Date (m/y) |
|------------|--------|-------------------|------|-----------------|---------------|--------|-------------------|----------------------------|---------------------------|---------------------|---------|--------------|------------------------|-------------|------------------|------------|-------------|-----------------|---------------------------|----------------|----------------|
| 10RB000KUS | US     | AMD PRO A6-8570E  | No   | AMD R5 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821Ae ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 3-year, Onsite | 07/17          |
| 10RB000LUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821Ae ac, 1x1 + BT4.0 | VGA                 | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Windows 10 IoT Enterprise | 3-year, Onsite | 07/17          |
| 10RB000MUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821Ae ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 3-year, Onsite | 07/17          |
| 10RB000NUS | US     | AMD PRO A6-8570E  | No   | AMD R5 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821Ae ac, 1x1 + BT4.0 | HDMI                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 3-year, Onsite | 07/17          |
| 10RB000PUS | US     | AMD PRO A6-8570E  | No   | AMD R5 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821Ae ac, 1x1 + BT4.0 | HDMI                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7 V2                  | 3-year, Onsite | 07/17          |
| 10RB000QUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821Ae ac, 1x1 + BT4.0 | Serial              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7 V2                  | 3-year, Onsite | 07/17          |
| 10RB000RUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821Ae ac, 1x1 + BT4.0 | None                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7 V2                  | 3-year, Onsite | 07/17          |
| 10RB000SUS | US     | AMD PRO A6-8570E  | No   | AMD R5 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821Ae ac, 1x1 + BT4.0 | VGA                 | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 3-year, Onsite | 07/17          |
| 10RB000TUS | US     | AMD PRO A6-8570E  | No   | AMD R5 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821Ae ac, 1x1 + BT4.0 | 3rd DP              | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7 V2                  | 3-year, Onsite | 07/17          |
| 10RB000UUS | US     | AMD PRO A10-8770E | No   | AMD R7 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821Ae ac, 1x1 + BT4.0 | HDMI                | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | LeTOS V2                  | 3-year, Onsite | 07/17          |
| 10RB000VUS | US     | AMD PRO A6-8570E  | No   | AMD R5 Graphics | None          | 4GBx1  | 32GB SSD M.2 SATA | None                       | RTL8821Ae ac, 1x1 + BT4.0 | VGA                 | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | WES 7 V2                  | 3-year, Onsite | 07/17          |



# ThinkCentre M900x Tiny Platform Specifications

Product Specifications Reference (PSREF)

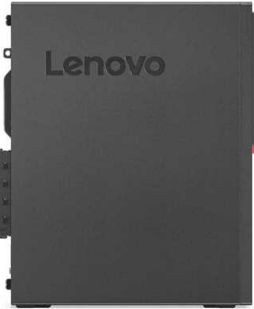
| Processor                 | Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor   | Security features             | <ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Administrator password</li> <li>Padlock loop</li> <li>Hard disk password</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Boot sequence control</li> <li>Power-on password</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Chassis intrusion switch</li> </ul>  |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
|---------------------------|---|-------------------------------|---|-------------------------|---------------------|--------------|---------------------|------------|--------------|-------|-------|------|-----------|--------|----|--------------|-------|-------|------|-----------|--------|----|--------------|-------|---------------|------|-----------|--------|----|--------------|-------|---------------|------|-----------|--------|------|--------------|-------|---------------|------|-----------|--------|------|--------------|-------|---------------|------|-----------|--------|------|----------|--|
|                           | <table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency Base/Max(GHz)</th> <th>Cache</th> <th>Memory Types</th> <th>Integrated Graphics</th> <th>Intel vPro</th> </tr> </thead> <tbody> <tr> <td>Core i3-6100</td> <td>2 / 4</td> <td>3.7 G</td> <td>3 MB</td> <td>DDR4-2133</td> <td>HD 530</td> <td>No</td> </tr> <tr> <td>Core i3-6300</td> <td>2 / 4</td> <td>3.8 G</td> <td>4 MB</td> <td>DDR4-2133</td> <td>HD 530</td> <td>No</td> </tr> <tr> <td>Core i5-6400</td> <td>4 / 4</td> <td>2.7 G / 3.3 G</td> <td>6 MB</td> <td>DDR4-2133</td> <td>HD 530</td> <td>No</td> </tr> <tr> <td>Core i5-6500</td> <td>4 / 4</td> <td>3.2 G / 3.6 G</td> <td>6 MB</td> <td>DDR4-2133</td> <td>HD 530</td> <td>vPro</td> </tr> <tr> <td>Core i5-6600</td> <td>4 / 4</td> <td>3.3 G / 3.9 G</td> <td>6 MB</td> <td>DDR4-2133</td> <td>HD 530</td> <td>vPro</td> </tr> <tr> <td>Core i7-6700</td> <td>4 / 8</td> <td>3.4 G / 4.0 G</td> <td>8 MB</td> <td>DDR4-2133</td> <td>HD 530</td> <td>vPro</td> </tr> </tbody> </table> | Processor                     | Cores / Threads   | Frequency Base/Max(GHz) | Cache               | Memory Types | Integrated Graphics | Intel vPro | Core i3-6100 | 2 / 4 | 3.7 G | 3 MB | DDR4-2133 | HD 530 | No | Core i3-6300 | 2 / 4 | 3.8 G | 4 MB | DDR4-2133 | HD 530 | No | Core i5-6400 | 4 / 4 | 2.7 G / 3.3 G | 6 MB | DDR4-2133 | HD 530 | No | Core i5-6500 | 4 / 4 | 3.2 G / 3.6 G | 6 MB | DDR4-2133 | HD 530 | vPro | Core i5-6600 | 4 / 4 | 3.3 G / 3.9 G | 6 MB | DDR4-2133 | HD 530 | vPro | Core i7-6700 | 4 / 8 | 3.4 G / 4.0 G | 8 MB | DDR4-2133 | HD 530 | vPro | Keyboard | <i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo<br><i>Some:</i> Lenovo USB Fingerprint Keyboard (USB connector)<br><i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black<br><i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo<br><i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black |
| Processor                 | Cores / Threads   | Frequency Base/Max(GHz)       | Cache   | Memory Types            | Integrated Graphics | Intel vPro   |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Core i3-6100              | 2 / 4   | 3.7 G                         | 3 MB  | DDR4-2133               | HD 530              | No           |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Core i3-6300              | 2 / 4   | 3.8 G                         | 4 MB  | DDR4-2133               | HD 530              | No           |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Core i5-6400              | 4 / 4   | 2.7 G / 3.3 G                 | 6 MB  | DDR4-2133               | HD 530              | No           |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Core i5-6500              | 4 / 4   | 3.2 G / 3.6 G                 | 6 MB  | DDR4-2133               | HD 530              | vPro         |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Core i5-6600              | 4 / 4   | 3.3 G / 3.9 G                 | 6 MB  | DDR4-2133               | HD 530              | vPro         |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Core i7-6700              | 4 / 8   | 3.4 G / 4.0 G                 | 8 MB  | DDR4-2133               | HD 530              | vPro         |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Memory                    | 32GB max, DDR4 2133, two 260-pin SO-DIMM sockets, dual-channel capable  | Mouse                         |   |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Disk                      | <i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm<br><i>Some:</i> 500GB (5400 rpm) Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide<br><i>Some:</i> M.2 SSD, PCIe or SATA interface   | Mechanical                    | Tiny (1L), black color; metal case<br>M900x Tiny only:<br>7.05" W X 7.20" D X 1.36" H<br>179mm W X 182.9mm D X 34.5mm H<br>2.9 lb (1.3 kg), weight may vary by configuration<br>With VESA mount & ODD box:<br>7.42" W X 7.30" D X 2.48" H<br>188.4mm W X 185.38mm D X 63mm H<br>4.12 lb (1.87 kg), weight may vary by configuration<br>With VESA mount & I/O box:<br>7.42" W X 7.30" D X 2.62" H<br>188.4mm W X 185.38mm D X 66.6mm H<br>3.53 lb (1.6 kg), weight may vary by configuration<br>Optional VESA mount bracket kit, supports VESA 75mm and 100mm<br>Optional system floor stand for vertical orientation  |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Optical                   | <i>Some:</i> external ODD box with DVD-ROM, 9.5mm high, via USB<br><i>Some:</i> external ODD box with DVD±RW, 9.5mm high, via USB<br><i>Some:</i> external ODD box (for TIO) with DVD-ROM, 9.5mm high, via USB<br><i>Some:</i> external ODD box (for TIO) with DVD±RW, 9.5mm high, via USB<br><i>One:</i> SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar   | VESA mount                    |   |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Onboard SATA Media reader | None  | Floor Stand                   |   |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Graphics                  | <b>Intel HD Graphics 510/530</b> in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional HDMI, VGA, or 3rd DP, up to 3 independent displays;<br><i>Max resolution:</i> 4096x2304 (DP) @60Hz; 4096x2160 (HDMI) @24Hz; 1920x1200 (VGA) @60Hz  | Power supply                  | 135 watts AC/DC adapter, autosensing, 88% PSU   |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| DP cable                  | Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle   | Limited warranty <sup>3</sup> | <i>Some:</i> 1-year or 3-year, depot service / service upgrades available<br><i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available<br><i>Some:</i> 3-year, limited onsite service, OID (Onsite International Delivery) / service upgrades available<br><i>For Lenovo service upgrade options, please go to S-TC sheet</i>  |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Chipset                   | <b>Intel Q170 Chipset</b>   | Preload                       | <b>Preloaded operating system</b><br><i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit<br><i>Some:</i> Windows 7 Professional 64<br><i>Some:</i> Windows 10 Pro 64-bit<br><b>Preloaded applications (only some listed)</b><br><ul style="list-style-type: none"> <li>Desktop Power Manager</li> <li>Lenovo Solution Center</li> <li>Lenovo REACHit</li> <li>Lenovo SHAREit</li> <li>Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)</li> <li>McAfee® LiveSafe™ (30-day trial)</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>PowerDVD Create (DVD±RW)</li> <li>Lenovo ThinkVantage Tools</li> <li>Intel Unite (vPro models only)</li> <li>- Only for Window 10</li> <li>Lenovo Companion</li> <li>Cyberlink PowerDVD (DVD, DVD±RW)</li> <li>Lenovo QuickOptimizer</li> <li>- Only for Window 7</li> <li>Rescue and Recovery</li> <li>Password Manager</li> <li>ThinkVantage System Update</li> <li>Lenovo Message Center Plus</li> <li>Adobe® Reader®</li> </ul> |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Front ports               | Two USB 3.0 (one is Always On and fast charge), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)   | Environment                   | ENERGY STAR® 6.1*; EPEAT™ Gold rating*; (*Need 85% PSU and Windows OS); ErP Lot 3; GREENGUARD®; RoHS-compliant  |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Rear ports                | Four USB 3.0 (optional external optical box or external I/O box occupies one or two specific USB 3.0 on some models), ethernet (RJ-45), two DisplayPort, one optional port (VGA, 3rd DP, HDMI, or serial on some models), one headphone   | Accessories                   | For compatible accessories, please go to TC-AQP sheet   |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| I/O box                   | Optional external I/O box, extends two USB 2.0, two USB 3.0, and one serial on rear, two USB 2.0 on front, via USB (occupy two specific USB 3.0 of M900x Tiny)  |                               |   |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Audio support             | High Definition (HD) Audio, Realtek ALC223 / optional internal speaker (1 watt)   |                               |   |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| WLAN <sup>13</sup>        | <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2   |                               |   |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Bluetooth™                | <i>Some:</i> Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter  |                               |   |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Ethernet                  | Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®  |                               |   |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Modem                     | None  |                               |   |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Manageability             | Intel Active Management Technology 11.0 (Intel AMT 11.0); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)  |                               |   |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |
| Security chip             | Trusted Platform Module, TCG 1.2-compliant  |                               |   |                         |                     |              |                     |            |              |       |       |      |           |        |    |              |       |       |      |           |        |    |              |       |               |      |           |        |    |              |       |               |      |           |        |      |              |       |               |      |           |        |      |              |       |               |      |           |        |      |          |  |

See footnotes for more detailed information

ThinkCentre M900x Tiny - TopSeller - 10LX

Product Specifications Reference (PSREF)

| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)   | External Optical / I/O Box | WLAN + Bluetooth           | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Dust Filter | Keyboard / Mouse | VESA Mount | Stand       | Power Supply     | Operating System     | Warranty       | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|---------------|--------|--------------------|----------------------------|----------------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|-------------|------------------|------------|-------------|------------------|----------------------|----------------|------------------|
| 10LX0002US | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 128GB SSD          | None                       | 8260 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 07/16            |
| 10LX0003US | US     | i5-6500   | vPro | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 2.5" | None                       | 8260 ac, 2x2, vPro + BT4.1 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 07/16            |
| 10LX0004US | US     | i5-6500   | vPro | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 2.5" | None                       | 8260 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 07/16            |
| 10LX0005US | US     | i5-6500   | vPro | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 2.5" | None                       | 8260 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 07/16            |
| 10LX0006US | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 128GB SSD          | None                       | 8260 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 07/16            |
| 10LX0007US | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 256GB SSD Opal     | None                       | 8260 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 09/16            |
| 10LX0008US | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 256GB SSD Opal     | None                       | 8260 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 09/16            |
| 10LX0009US | US     | i5-6500   | vPro | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 2.5" | None                       | 8260 ac, 2x2, vPro + BT4.1 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 09/16            |
| 10LX000AUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 2.5" | None                       | 8260 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 09/16            |
| 10LX000BUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 2.5" | None                       | 8260 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 09/16            |
| 10LX000CUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 128GB SSD          | None                       | 8260 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 09/16            |
| 10LX000DUS | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 128GB SSD          | None                       | 8260 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 09/16            |



# ThinkCentre M910 SFF Platform Specifications

Product Specifications Reference (PSREF)

| Processor                  | Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor   | Security features                         | <ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Padlock loop</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Optional cable lock to physically lock both keyboard and mouse</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional chassis intrusion switch</li> </ul>   |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
|----------------------------|---|---|---|-------------------------|---------------------|------------------------|---------------------|--------------|-------|-------------|------|-----------|--------|--------------|-------|-------------|------|-----------|--------|--------------|-------|-----------|------|-----------|--------|--------------|-------|-------------|------|-----------|--------|--------------|-------|-------------|------|-----------|--------|--------------|-------|-------------|------|-----------|--------|--------------|-------|-------------|------|-----------|--------|----------|--|
|                            | <table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency Base/Max(GHz)</th> <th>Cache</th> <th>Memory Support (Up to)</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Core i5-6500</td> <td>4 / 4</td> <td>3.2G / 3.6G</td> <td>6 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i7-6700</td> <td>4 / 8</td> <td>3.4G / 4.0G</td> <td>8 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i3-7300</td> <td>2 / 4</td> <td>4.0G / --</td> <td>4 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7400</td> <td>4 / 4</td> <td>3.0G / 3.5G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7500</td> <td>4 / 4</td> <td>3.4G / 3.8G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7600</td> <td>4 / 4</td> <td>3.5G / 4.1G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i7-7700</td> <td>4 / 8</td> <td>3.6G / 4.2G</td> <td>8 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> </tbody> </table> | Processor                                 | Cores / Threads   | Frequency Base/Max(GHz) | Cache               | Memory Support (Up to) | Integrated Graphics | Core i5-6500 | 4 / 4 | 3.2G / 3.6G | 6 MB | DDR4-2133 | HD 530 | Core i7-6700 | 4 / 8 | 3.4G / 4.0G | 8 MB | DDR4-2133 | HD 530 | Core i3-7300 | 2 / 4 | 4.0G / -- | 4 MB | DDR4-2400 | HD 630 | Core i5-7400 | 4 / 4 | 3.0G / 3.5G | 6 MB | DDR4-2400 | HD 630 | Core i5-7500 | 4 / 4 | 3.4G / 3.8G | 6 MB | DDR4-2400 | HD 630 | Core i5-7600 | 4 / 4 | 3.5G / 4.1G | 6 MB | DDR4-2400 | HD 630 | Core i7-7700 | 4 / 8 | 3.6G / 4.2G | 8 MB | DDR4-2400 | HD 630 | Keyboard | <i>Some:</i> Lenovo Calliope Keyboard (USB connector), black<br><i>Some:</i> Lenovo Traditional Keyboard (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black |
| Processor                  | Cores / Threads   | Frequency Base/Max(GHz)                   | Cache   | Memory Support (Up to)  | Integrated Graphics |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Core i5-6500               | 4 / 4   | 3.2G / 3.6G                               | 6 MB  | DDR4-2133               | HD 530              |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Core i7-6700               | 4 / 8   | 3.4G / 4.0G                               | 8 MB  | DDR4-2133               | HD 530              |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Core i3-7300               | 2 / 4   | 4.0G / --                                 | 4 MB  | DDR4-2400               | HD 630              |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Core i5-7400               | 4 / 4   | 3.0G / 3.5G                               | 6 MB  | DDR4-2400               | HD 630              |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Core i5-7500               | 4 / 4   | 3.4G / 3.8G                               | 6 MB  | DDR4-2400               | HD 630              |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Core i5-7600               | 4 / 4   | 3.5G / 4.1G                               | 6 MB  | DDR4-2400               | HD 630              |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Core i7-7700               | 4 / 8   | 3.6G / 4.2G                               | 8 MB  | DDR4-2400               | HD 630              |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
|                            |   | Mouse                                     | <i>Some:</i> Lenovo Calliope Mouse (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black   |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Memory                     | 64GB max, UDIMM, DDR4-2400*, four 288-pin DIMM sockets, non-ECC, dual-channel capable<br>* System automatically clocks down for the processors with lower memory controller   | Mechanical                                | <ul style="list-style-type: none"> <li>SFF (8.4L), black color, metal case</li> <li>(WxDxH) 3.6" X 11.4" X 13.5"; 92.5mm X 290.5mm X 343.5mm</li> <li>Approx. 11.92 lb (5.4 kg), weight may vary by configuration</li> <li>Toolless cover, disk, optical, graphic card removal</li> <li>Optional dust filter</li> <li>Bay 1: Slim external ODD bay</li> <li>Bay 2: 3.5", 1" high, internal, HDD/SSD</li> <li>Bay 3: 2.5", internal, HDD/SSD (optional bay)</li> <li>Slot 1: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x16*</li> <li>Slot 2: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x1*</li> <li>Slot 3: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x16 (x4 signal)*</li> <li>Slot 4: no slot, only bracket for optional port extension*</li> <li>M.2 card slots: Two (one for WLAN, one for SSD/Optane)</li> <li>* Optional front USB3.1 Type-C x2 module occupies PCIe x16 (x4 signal) slot, optional rear 2x USB2.0 / parallel / 2nd serial / cable lock / Wi-Fi antenna occupies one expansion slot</li> </ul> |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Storage                    | <i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"<br><i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s<br><i>Some:</i> Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2  | Floor Stand                               | Optional system floor stand for vertical orientation  |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Optical                    | <i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm)<br><i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)   | Power supply                              | <i>Some:</i> 180 watts, autosensing, 85% PSU<br><i>Some:</i> 210 watts, autosensing, 85% PSU<br><i>Some:</i> 210 watts, autosensing, 92% PSU (only available via special bid)   |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Onboard SATA               | Four onboard SATA 6.0Gb/s connectors, RAID 0/1 support (RAID preset only available via special bid model)   | Limited warranty <sup>3</sup>             | <i>Some:</i> <b>1-year or 3-year, depot service</b> / service upgrades available<br><i>Some:</i> <b>1-year or 3-year, limited onsite service</b> / service upgrades available   |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Media reader               | Optional 7-in-1 media reader  | Preload                                   | <b>Preloaded operating system</b><br><i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)<br><i>Some:</i> Windows 10 Pro 64-bit<br><i>Some:</i> Windows 10 Home 64-bit  |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Graphics                   | <b>Intel HD Graphics 510/530/610/630</b> in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays;<br><i>Max resolution:</i> 4096x2304 (DP) @60Hz; 2048x1536 (VGA) @50Hz<br><i>Some:</i> <b>NVIDIA GeForce® GT 730</b> , DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts;<br><i>Max resolution:</i> 3840x2160 (DisplayPort) @60Hz;  | Preloaded applications (only some listed) | <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Cyberlink PowerDVD Create (DVD±RW)</li> <li>Intel Unite (vPro models only)</li> <li>- Only for Window 10</li> <li>Lenovo Companion</li> <li>Lenovo ID</li> <li>Cyberlink PowerDVD (DVD, DVD±RW)</li> <li>- Only for Window 7</li> <li>Lenovo Solution Center</li> <li>Lenovo ThinkVantage Tools</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> </ul>  |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Monitor cable              | Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4   | Environment                               | ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)   |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Chipset                    | <b>Intel Q270 Chipset</b>   | Accessories                               | For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>  |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Front ports                | Four USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)  | Manageability                             | Intel Active Management Technology 11.0 (Intel AMT 11.0); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)  |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Rear ports                 | Four USB 3.1 Gen1, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, optional two PS/2 ports (keyboard/mouse); additional DisplayPort on optional graphics on some models  | Security chip                             | TPM (Trusted Platform Module) 2.0, TCG Certified<br>* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS   |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Rear audio ports IEEE 1394 | Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)<br>None  |   |   |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Audio support              | High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt )  |   |   |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| WLAN <sup>13</sup>         | <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2   |   |   |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Bluetooth™                 | <i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + BT combo adapter   |   |   |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Ethernet                   | Gigabit ethernet, Intel Ethernet Connection I219-LM(Jacksonville), Wake on LAN®   |   |   |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |
| Modem                      | None  |   |   |                         |                     |                        |                     |              |       |             |      |           |        |              |       |             |      |           |        |              |       |           |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |              |       |             |      |           |        |          |  |



| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)        | Optical | Optional 2nd 2.5" Bay | Media Reader | WLAN + Bluetooth           | Optional Front Ports | Optional Rear Ports | Chassis Intrusion Switch | Cable Lock | Front Access HDD | Speaker | Dust Filter | Keyboard / Mouse | Stand       | Power Supply | Operating System     | Warranty       | End of Support | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|---------------|--------|-------------------------|---------|-----------------------|--------------|----------------------------|----------------------|---------------------|--------------------------|------------|------------------|---------|-------------|------------------|-------------|--------------|----------------------|----------------|----------------|------------------|
| 10MK000AUS | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 1TB 7200rpm 3.5"        | DVD±RW  | Optional 2nd 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000BUS | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2nd 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000CUS | US     | i5-7500   | vPro | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"        | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000DUS | US     | i5-7500   | vPro | GT 730 2GB   | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2nd 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000EUS | US     | i7-7700   | vPro | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000FUS | US     | i7-7700   | vPro | GT 730 2GB   | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2nd 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000GUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 3.5"      | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000HUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000KUS | US     | i5-7500   | vPro | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000LUS | US     | i7-7700   | vPro | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"        | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000MUS | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000NUS | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 1TB 7200rpm 3.5"        | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000PUS | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000QUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 1TB 7200rpm 3.5"        | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000RUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 1TB 7200rpm 3.5"        | DVD±RW  | Optional 2nd 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000SUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK000TUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2nd 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MK0035US | US     | i5-6500   | vPro | GT 730 2GB   | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2nd 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK0036US | US     | i5-6500   | vPro | Intel HD 530 | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK0037US | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2nd 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |

| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)                      | Optical | Optional 2nd 2.5" Bay | Media Reader | WLAN + Bluetooth           | Optional Front Ports | Optional Rear Ports | Chassis Intrusion Switch | Cable Lock | Front Access HDD | Speaker | Dust Filter | Keyboard / Mouse | Stand       | Power Supply | Operating System     | Warranty       | End of Support | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|---------------|--------|---------------------------------------|---------|-----------------------|--------------|----------------------------|----------------------|---------------------|--------------------------|------------|------------------|---------|-------------|------------------|-------------|--------------|----------------------|----------------|----------------|------------------|
| 10MK0038US | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe               | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK0039US | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 1TB 7200rpm 3.5"                      | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK003AUS | US     | i7-6700   | vPro | GT 730 2GB   | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe               | DVD±RW  | Optional 2nd 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK003BUS | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 1TB 7200rpm 3.5"                      | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK003CUS | US     | i5-6500   | vPro | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"                      | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK003DUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 1TB 7200rpm 3.5"                      | DVD±RW  | Optional 2nd 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK003EUS | US     | i5-6500   | vPro | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe               | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK003FUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe               | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK003GUS | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe               | DVD±RW  | Optional 2nd 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK003HUS | US     | i7-6700   | vPro | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"                      | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK003JUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 3.5"                    | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK003KUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe               | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK003LUS | US     | i7-6700   | vPro | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe               | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK003MUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe               | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK003NUS | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe               | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK003PUS | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 1TB 7200rpm 3.5"                      | DVD±RW  | Optional 2nd 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MK004WUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 16GB Optane Memory + 1TB 7200rpm 3.5" | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Sep 5, 2022    | 09/17            |
| 10MK004XUS | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 16GB Optane Memory + 1TB 7200rpm 3.5" | DVD±RW  | Optional 2nd 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Floor Stand | 210W 85%     | Win10 Pro 64         | 3-year, Onsite | Sep 5, 2022    | 09/17            |



# ThinkCentre M910 Tiny Platform Specifications

Product Specifications Reference (PSREF)

|                               |  |   |                                   |                                   |                        |                     |   |
|-------------------------------|--|---|-----------------------------------|-----------------------------------|------------------------|---------------------|---|
| Processor                     | Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor  |   |                                   |                                   |                        |                     | <b>Security features</b> <ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Chassis intrusion switch</li> </ul> |
|                               | Processor  | Cores / Threads   | Frequency Base/Max(GHz)           | Cache                             | Memory Support (Up to) | Integrated Graphics |   |
|                               | Core i5-6500T  | 4 / 4   | 2.5G / 3.1G                       | 6 MB                              | DDR4-2133              | HD 530              |   |
|                               | Core i7-6700T  | 4 / 8   | 2.8G / 3.6G                       | 8 MB                              | DDR4-2133              | HD 530              |   |
|                               | Core i5-7500T  | 4 / 4   | 2.7G / 3.3G                       | 6 MB                              | DDR4-2400              | HD 630              |   |
|                               | Core i5-7600T  | 4 / 4   | 2.8G / 3.7G                       | 6 MB                              | DDR4-2400              | HD 630              |   |
| Core i7-7700T                 | 4 / 8  | 2.9G / 3.8G   | 8 MB                              | DDR4-2400                         | HD 630                 |                     |   |
| Memory                        | 32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, non-ECC, dual-channel capable<br>* System automatically clocks down for the processors with lower memory controller   |   |                                   |                                   |                        |                     |   |
| Storage                       | <i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm, APS<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"<br><i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s<br><i>Some:</i> Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2<br><i>Some:</i> DVD-ROM, slim (9.0mm), via USB external ODD box<br><i>Some:</i> DVD Burner (DVD±RW), slim (9.0mm), via USB external ODD box                                    |   |                                   |                                   |                        |                     |   |
| Optical                       | One onboard SATA 6.0Gb/s connector   |   |                                   |                                   |                        |                     |   |
| Onboard SATA Media reader     | None   |   |                                   |                                   |                        |                     |   |
| Graphics                      | <b>Intel HD Graphics 510/530/610/630</b> in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional video port (HDMI, VGA, 3rd DP, or USB 3.1 Type-C with DisplayPort Alternate Mode), up to 3 independent displays;<br><i>Max resolution:</i> 4096x2304 (DP) @60Hz; 4096x2304 (Type-C) @60Hz; 4096x2160 (HDMI) @24Hz; 1920x1200 (VGA) @60Hz  |   |                                   |                                   |                        |                     |   |
| Monitor cable                 | Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4  |   |                                   |                                   |                        |                     |   |
| Chipset                       | <b>Intel Q270 Chipset</b>  |   |                                   |                                   |                        |                     |   |
| Front ports                   | Two USB 3.1 Gen1 (one is Always On and fast charge), one microphone (3.5mm), one headphone / microphone combo jack (3.5mm)   |   |                                   |                                   |                        |                     |   |
| Rear ports                    | Four USB 3.1 Gen1 (optional external optical box or external I/O box occupies one or two specific USB 3.1 Gen1 on some models), ethernet (RJ-45), two DisplayPort, two optional ports (Port 1 for VGA / 3rd DP / HDMI / serial / USB 3.1 Type-C Gen 1 (with DisplayPort Alternate Mode), Port 2 for serial)  |   |                                   |                                   |                        |                     |   |
| I/O box                       | Optional external I/O box, extends two USB 2.0, two USB 3.1 Gen1, and one serial on rear, two USB 2.0 on front, via USB cable (occupy two specific USB 3.1 Gen1 of Tiny)   |   |                                   |                                   |                        |                     |   |
| Audio support                 | High Definition (HD) Audio, Realtek ALC294 / optional internal speaker (1w or 2w)  |   |                                   |                                   |                        |                     |   |
| WLAN <sup>13</sup>            | <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 |   |                                   |                                   |                        |                     |   |
| Bluetooth™                    | <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2<br><i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + BT combo adapter   |   |                                   |                                   |                        |                     |   |
| Ethernet Modem                | Gigabit ethernet, Intel Ethernet Connection I219-LM(Jacksonville), Wake on LAN®<br>None  |   |                                   |                                   |                        |                     |   |
| Manageability                 | Intel Active Management Technology 11.0 (Intel AMT 11.0); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)   |   |                                   |                                   |                        |                     |   |
| Security chip                 | TPM (Trusted Platform Module) 2.0*, TCG Certified<br>* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS   |   |                                   |                                   |                        |                     |   |
| Keyboard                      | <i>Some:</i> Lenovo Calliope Keyboard (USB connector), black   |   |                                   |                                   |                        |                     |   |
|                               | <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black  |   |                                   |                                   |                        |                     |   |
| Mouse                         | <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black  |   |                                   |                                   |                        |                     |   |
|                               | <i>Some:</i> Lenovo Calliope Mouse (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black  |   |                                   |                                   |                        |                     |   |
| Mechanical                    | Tiny (1L), black color; metal case   |   |                                   |                                   |                        |                     |   |
|                               | <ul style="list-style-type: none"> <li>Toolless chassis open</li> <li>Toolless HDD, SSD, memory removal</li> <li>Optional toolless chassis screw</li> <li>Optional dust filter</li> </ul>  |   |                                   |                                   |                        |                     |   |
|                               |  | Dimensions (WxDxH)  |                                   | Weight (Approx. )                 |                        |                     |   |
|                               | M910 Tiny only   | 7.05" X 7.20" X 1.36"<br>179mm X 182.9mm X 34.5mm   |                                   | 2.91 lb (1.32 kg), vary by config |                        |                     |   |
| With VESA mount & ODD box     | 7.42" X 7.30" X 2.48"<br>188.4mm X 185.38mm X 63mm   |   | 3.66 lb (1.66 kg), vary by config |                                   |                        |                     |   |
| With VESA mount & I/O box     | 7.42" X 7.30" X 2.62"<br>188.4mm X 185.38mm X 66.6mm   |   | 3.66 lb (1.66 kg), vary by config |                                   |                        |                     |   |
| VESA mount Floor Stand        | Optional VESA mount bracket kit, supports VESA 75mm and 100mm<br>Optional system floor stand for vertical orientation  |   |                                   |                                   |                        |                     |   |
| Power supply                  | 65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)<br>90 watts AC/DC adapter, autosensing, 88% PSU (only for models with I/O box)  |   |                                   |                                   |                        |                     |   |
| Limited warranty <sup>3</sup> | <i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available<br><i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available  |   |                                   |                                   |                        |                     |   |
| Preload                       | <i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)   |   |                                   |                                   |                        |                     |   |
|                               | <i>Some:</i> Windows 10 Pro 64-bit<br><i>Some:</i> Windows 10 Home 64-bit  |   |                                   |                                   |                        |                     |   |
| Environment                   | <b>ENERGY STAR® 6.1, EPEAT™ Gold rating</b> (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)   |   |                                   |                                   |                        |                     |   |
|                               | MIL-SPEC test  | MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation) |                                   |                                   |                        |                     |   |
| Accessories                   | For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>   |   |                                   |                                   |                        |                     |   |

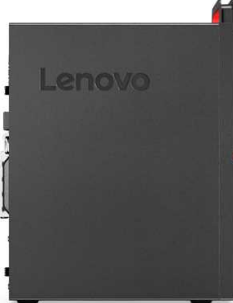
See footnotes for more detailed information

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| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)        | External Optical / I/O Box | WLAN + Bluetooth           | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Dust Filter | Keyboard / Mouse | VESA Mount | Stand       | Power Supply    | Operating System     | Warranty       | End of Support | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|---------------|--------|-------------------------|----------------------------|----------------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|-------------|------------------|------------|-------------|-----------------|----------------------|----------------|----------------|------------------|
| 10MV000JUS | US     | i5-7500T  | vPro | Intel HD 630 | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV000KUS | US     | i7-7700T  | vPro | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW                     | 8265 ac, 2x2, vPro + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | VESA Mount | None        | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV000LUS | US     | i5-7500T  | vPro | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV000MUS | US     | i5-7500T  | vPro | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV000NUS | US     | i5-7500T  | vPro | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV000PUS | US     | i5-7500T  | vPro | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"      | DVD±RW                     | 8265 ac, 2x2, vPro + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | VESA Mount | None        | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV000QUS | US     | i5-7500T  | vPro | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV000RUS | US     | i5-7500T  | vPro | Intel HD 630 | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV000SUS | US     | i5-7500T  | vPro | Intel HD 630 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV000TUS | US     | i5-7500T  | vPro | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV000UUS | US     | i7-7700T  | vPro | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV000VUS | US     | i5-7500T  | vPro | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | Serial              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV000XUS | US     | i5-7500T  | vPro | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV000YUS | US     | i7-7700T  | vPro | Intel HD 630 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV0010US | US     | i7-7700T  | vPro | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV0011US | US     | i5-7500T  | vPro | Intel HD 630 | None          | 4GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV0012US | US     | i5-7500T  | vPro | Intel HD 630 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV0013US | US     | i7-7700T  | vPro | Intel HD 630 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV0014US | US     | i5-7500T  | vPro | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW                     | 8265 ac, 2x2, vPro + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | VESA Mount | None        | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MV002MUS | US     | i7-6700T  | vPro | Intel HD 530 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |

| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)        | External Optical / I/O Box | WLAN + Bluetooth           | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Dust Filter | Keyboard / Mouse | VESA Mount | Stand       | Power Supply    | Operating System     | Warranty       | End of Support | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|---------------|--------|-------------------------|----------------------------|----------------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|-------------|------------------|------------|-------------|-----------------|----------------------|----------------|----------------|------------------|
| 10MV002NUS | US     | i5-6500T  | vPro | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | Serial              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV002PUS | US     | i5-7500T  | vPro | Intel HD 630 | None          | 8GBx2  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV002QUS | US     | i7-7700T  | vPro | Intel HD 630 | None          | 8GBx2  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV002RUS | US     | i7-7700T  | vPro | Intel HD 630 | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV002SUS | US     | i5-6500T  | vPro | Intel HD 530 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV002TUS | US     | i7-6700T  | vPro | Intel HD 530 | None          | 16GBx1 | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV002UUS | US     | i7-6700T  | vPro | Intel HD 530 | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV002VUS | US     | i7-7700T  | vPro | Intel HD 630 | None          | 8GBx2  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV002WUS | US     | i7-6700T  | vPro | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV002XUS | US     | i5-7500T  | vPro | Intel HD 630 | None          | 8GBx2  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV002YUS | US     | i5-6500T  | vPro | Intel HD 530 | None          | 8GBx2  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV0030US | US     | i5-6500T  | vPro | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV0031US | US     | i5-6500T  | vPro | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | VGA                 | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV0032US | US     | i5-6500T  | vPro | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Mar 21, 2022   | 03/17            |
| 10MV0033US | US     | i7-6700T  | vPro | Intel HD 530 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV0034US | US     | i5-6500T  | vPro | Intel HD 530 | None          | 8GBx1  | 128GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV0035US | US     | i7-7700T  | vPro | Intel HD 630 | None          | 8GBx2  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV0036US | US     | i5-6500T  | vPro | Intel HD 530 | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV0037US | US     | i5-6500T  | vPro | Intel HD 530 | None          | 8GBx2  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV0038US | US     | i5-6500T  | vPro | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |

| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)                        | External Optical / I/O Box | WLAN + Bluetooth           | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Dust Filter | Keyboard / Mouse | VESA Mount | Stand       | Power Supply    | Operating System     | Warranty       | End of Support | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|---------------|--------|---|----------------------------|----------------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|-------------|------------------|------------|-------------|-----------------|----------------------|----------------|----------------|------------------|
| 10MV0039US | US     | i7-6700T  | vPro | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe                 | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 21, 2023   | 03/17            |
| 10MV003KUS | US     | i7-7700T  | vPro | Intel HD 630 | None          | 8GBx1  | 16GB Optane Memory + 500GB 7200rpm 2.5" | None                       | 8265 ac, 2x2, vPro + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Sep 5, 2022    | 09/17            |
| 10MV003LUS | US     | i5-7500T  | vPro | Intel HD 630 | None          | 8GBx1  | 16GB Optane Memory + 500GB 7200rpm 2.5" | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Sep 5, 2022    | 09/17            |
| 10MV003MUS | US     | i5-7500T  | vPro | Intel HD 630 | None          | 8GBx1  | 16GB Optane Memory + 500GB 7200rpm 2.5" | None                       | 8265 ac, 2x2, vPro + BT4.1 | HDMI                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Sep 5, 2022    | 09/17            |
| 10MV003NUS | US     | i7-7700T  | vPro | Intel HD 630 | None          | 8GBx1  | 16GB Optane Memory + 500GB 7200rpm 2.5" | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 65W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | Sep 5, 2022    | 09/17            |





# ThinkCentre M910 Tower Platform Specifications

Product Specifications Reference (PSREF)

|                            |  |                 |  |           |                        |                     |   |  |
|----------------------------|--|-----------------|--|-----------|------------------------|---------------------|---|--|
| Processor                  | Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor  |                 |  |           |                        |                     | Manageability<br>Intel Active Management Technology 11.0 (Intel AMT 11.0); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)   |  |
|                            | Processor  | Cores / Threads | Frequency Base/Max(GHz)  | Cache     | Memory Support (Up to) | Integrated Graphics |   | Security chip<br>TPM (Trusted Platform Module) 2.0, TCG Certified<br>* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS |
|                            | Core i5-6500   | 4 / 4           | 3.2G / 3.6G  | 6 MB      | DDR4-2133              | HD 530              |   |  |
|                            | Core i7-6700   | 4 / 8           | 3.4G / 4.0G  | 8 MB      | DDR4-2133              | HD 530              |   |  |
|                            | Core i3-7300   | 2 / 4           | 4.0G / --  | 4 MB      | DDR4-2400              | HD 630              |   |  |
|                            | Core i5-7400   | 4 / 4           | 3.0G / 3.5G  | 6 MB      | DDR4-2400              | HD 630              |   |  |
|                            | Core i5-7500   | 4 / 4           | 3.4G / 3.8G  | 6 MB      | DDR4-2400              | HD 630              |   |  |
|                            | Core i5-7600   | 4 / 4           | 3.5G / 4.1G  | 6 MB      | DDR4-2400              | HD 630              |   |  |
| Core i7-7700               | 4 / 8  | 3.6G / 4.2G     | 8 MB   | DDR4-2400 | HD 630                 |                     |   |  |
| Memory                     | 64GB max, UDIMM, DDR4-2400*, four 288-pin DIMM sockets, non-ECC, dual-channel capable<br>* System automatically clocks down for the processors with lower memory controller  |                 |  |           |                        |                     | Keyboard<br><i>Some:</i> Lenovo Calliope Keyboard (USB connector), black<br><i>Some:</i> Lenovo Traditional Keyboard (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black<br><i>Some:</i> Lenovo Calliope Mouse (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black |  |
| Storage                    | <i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"<br><i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s<br><i>Some:</i> Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2<br><i>Some:</i> Front accessible and removable HDD, 3.5", lockable via physical key   |                 |  |           |                        |                     |   |  |
| Optical                    | <i>Some:</i> DVD-ROM, SATA 1.5Gb/s, 5.25" or slim (9.0mm)<br><i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s, 5.25" or slim (9.0mm)   |                 |  |           |                        |                     |   |  |
| Onboard SATA               | Four onboard SATA 6.0Gb/s connectors (1x eSATA and 3x SATA), RAID 0/1 support (RAID preset only available via special bid model)   |                 |  |           |                        |                     |   |  |
| Media reader               | Optional 7-in-1 media reader   |                 |  |           |                        |                     |   |  |
| Graphics                   | <b>Intel HD Graphics 510/530/610/630</b> in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays;<br><i>Max resolution:</i> 4096x2304 (DP) @60Hz; 2048x1536 (VGA) @50Hz<br><i>Some:</i> <b>NVIDIA GeForce® GT 730</b> , DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts;<br><i>Max resolution:</i> 3840x2160 (DisplayPort) @60Hz;<br><i>Some:</i> <b>AMD Radeon™ R7 350</b> , DirectX 11, 2GB, PCIe 3.0 x8 adapter, one VGA, one HDMI, 75 watts, occupies two slots;<br><i>Max resolution:</i> 4096x2160 (HDMI) @24Hz; 2048x1536 (VGA) @85Hz<br><i>Some:</i> <b>NVIDIA GeForce GTX™ 1080</b> (only available via special bid model), DirectX 12, 8GB, PCIe 3.0 x16 adapter, one DVI-D, one HDMI, three DisplayPort, 180 watts, occupies two slots;<br><i>Max resolution:</i> 2560x1600 (DVI-D) @60Hz; 4096x2160 (HDMI) @60Hz 7680x4320 (with Single DP) @60Hz |                 |  |           |                        |                     |   |  |
| Monitor Cable              | Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4  |                 |  |           |                        |                     |   |  |
| Chipset                    | <b>Intel Q270 Chipset</b>  |                 |  |           |                        |                     |   |  |
| Front ports                | Four USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)   |                 |  |           |                        |                     |   |  |
| Rear ports                 | Four USB 3.1 Gen1, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, optional two PS/2 ports (keyboard/mouse); additional VGA, DisplayPort, DVI-D, or HDMI on optional graphics on some models  |                 |  |           |                        |                     |   |  |
| Rear audio ports IEEE 1394 | Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)<br>None   |                 |  |           |                        |                     |   |  |
| Audio support              | High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt )   |                 |  |           |                        |                     |   |  |
| WLAN                       | <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2  |                 |  |           |                        |                     |   |  |
| Bluetooth™                 | <i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + BT combo adapter  |                 |  |           |                        |                     |   |  |
| Ethernet                   | Gigabit ethernet, Intel Ethernet Connection I219-LM(Jacksonville), Wake on LAN®  |                 |  |           |                        |                     |   |  |
| Modem                      | None   |                 |  |           |                        |                     |   |  |
| Power supply               | <i>Some:</i> 180 watts, autosensing, 85% PSU<br><i>Some:</i> 250 watts, autosensing, 85% PSU<br><i>Some:</i> 400 watts, autosensing, 92% PSU (only available via special bid)  |                 |  |           |                        |                     |   |  |
| Limited warranty           | <i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available<br><i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available  |                 |  |           |                        |                     |   |  |
| Preload                    | <b>Preloaded operating system</b>  |                 | <b>Preloaded applications (only some listed)</b>   |           |                        |                     |   |  |
|                            | <i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)   |                 | <ul style="list-style-type: none"> <li>• Microsoft Office preloaded; purchase a product key to activate</li> <li>• Cyberlink PowerDVD Create (DVD±RW)</li> <li>• Intel Unite (vPro models only)</li> <li>- Only for Window 10</li> <li>• Lenovo Companion</li> <li>• Lenovo ID</li> <li>• Cyberlink PowerDVD (DVD, DVD±RW)</li> <li>- Only for Window 7</li> <li>• Lenovo Solution Center</li> <li>• Lenovo ThinkVantage Tools</li> <li>• Create Recovery Media</li> <li>• Adobe® Reader®</li> </ul> |           |                        |                     |   |  |
|                            | <i>Some:</i> Windows 10 Pro 64-bit   |                 |  |           |                        |                     |   |  |
|                            | <i>Some:</i> Windows 10 Home 64-bit  |                 |  |           |                        |                     |   |  |
| Environment                | ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)  |                 |  |           |                        |                     |   |  |
| Accessories                | For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>   |                 |  |           |                        |                     |   |  |

| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)        | Optical | Optional 2.5" Bay | Media Reader | WLAN + Bluetooth           | Optional Front Ports | Optional Rear Ports | Chassis Intrusion Switch | Cable Lock | Front Access HDD | Speaker | Dust Filter | Keyboard / Mouse | Carry Handle | Power Supply | Operating System     | Warranty       | End of Support | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|---------------|--------|-------------------------|---------|-------------------|--------------|----------------------------|----------------------|---------------------|--------------------------|------------|------------------|---------|-------------|------------------|--------------|--------------|----------------------|----------------|----------------|------------------|
| 10MM000AUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 4GBx1  | 500GB 7200rpm 3.5"      | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MM000BUS | US     | i7-7700   | vPro | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MM000CUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MM000DUS | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MM000EUS | US     | i5-7500   | vPro | GT 730 2GB   | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MM000FUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 1TB 7200rpm 3.5"        | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MM000GUS | US     | i5-7500   | vPro | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"        | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MM000HUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MM000JUS | US     | i7-7700   | vPro | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"        | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MM000KUS | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MM000LUS | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MM000MUS | US     | i7-7700   | vPro | GT 730 2GB   | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MM000NUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MM000PUS | US     | i7-7700   | vPro | Intel HD 630 | None          | 8GBx1  | 1TB 7200rpm 3.5"        | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MM000QUS | US     | i5-7500   | vPro | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Mar 21, 2023   | 02/17            |
| 10MM002JUS | US     | i5-6500   | vPro | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM002KUS | US     | i5-6500   | vPro | GT 730 2GB   | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM002LUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM002MUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM002NUS | US     | i7-6700   | vPro | GT 730 2GB   | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |

| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Storage(HDD/SSD)        | Optical | Optional 2.5" Bay | Media Reader | WLAN + Bluetooth           | Optional Front Ports | Optional Rear Ports | Chassis Intrusion Switch | Cable Lock | Front Access HDD | Speaker | Dust Filter | Keyboard / Mouse | Carry Handle | Power Supply | Operating System     | Warranty       | End of Support | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|---------------|--------|-------------------------|---------|-------------------|--------------|----------------------------|----------------------|---------------------|--------------------------|------------|------------------|---------|-------------|------------------|--------------|--------------|----------------------|----------------|----------------|------------------|
| 10MM002PUS | US     | i7-6700   | vPro | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM002QUS | US     | i5-7500   | vPro | Intel HD 630 | None          | 4GBx1  | 128GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 Pro 64         | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM002RUS | US     | i7-6700   | vPro | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"        | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM002SUS | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM002TUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 4GBx1  | 500GB 7200rpm 3.5"      | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM002UUS | US     | i5-6500   | vPro | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM002VUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 1TB 7200rpm 3.5"        | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM002WUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM002XUS | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM002YUS | US     | i5-6500   | vPro | GT 730 2GB   | None          | 8GBx1  | 1TB 7200rpm 3.5"        | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM0030US | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 1TB 7200rpm 3.5"        | DVD±RW  | Optional 2.5" Bay | None         | None                       | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM0031US | US     | i7-6700   | vPro | GT 730 2GB   | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM003AUS | US     | i5-6500   | vPro | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |
| 10MM003BUS | US     | i7-6700   | vPro | Intel HD 530 | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | DVD±RW  | Optional 2.5" Bay | None         | 8265 ac, 2x2, vPro + BT4.1 | None                 | None                | None                     | None       | None             | 1.5Wx1  | None        | USB / USB        | Carry Handle | 250W 85%     | Win10 DG Win7 Pro 64 | 3-year, Onsite | Apr 28, 2023   | 03/17            |



# ThinkCentre M910x Tiny Platform Specifications

Product Specifications Reference (PSREF)

| Processor                 | Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor   |                                   |                         |           |                        |                     | Manageability<br>Intel Active Management Technology 11.0 (Intel AMT 11.0); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)<br>Security chip<br>TPM (Trusted Platform Module) 2.0*, TCG Certified<br>* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS<br>Security features<br>● Security slot (in rear for optional Kensington® MicroSaver® cable)<br>● Smart USB protection, allows keyboard/mouse only, blocks all storage devices<br>● Power-on password<br>● Administrator password<br>● Hard disk password<br>● Boot sequence control<br>● Boot without keyboard and mouse<br>● Individual USB port disablement<br>● Chassis intrusion switch   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
|---------------------------|---|-----------------------------------|-------------------------|-----------|------------------------|---------------------|---|--|--------------------|------------------|----------------|---|-----------------------------------|---------------------------|--|-----------------------------------|---------------------------|--|-----------------------------------|
|                           | Processor   | Cores / Threads                   | Frequency Base/Max(GHz) | Cache     | Memory Support (Up to) | Integrated Graphics |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
|                           | Core i5-6500T   | 4 / 4                             | 2.5G / 3.1G             | 6 MB      | DDR4-2133              | HD 530              |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
|                           | Core i7-6700T   | 4 / 8                             | 2.8G / 3.6G             | 8 MB      | DDR4-2133              | HD 530              |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
|                           | Core i5-7500T   | 4 / 4                             | 2.7G / 3.3G             | 6 MB      | DDR4-2400              | HD 630              |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
|                           | Core i5-7600T   | 4 / 4                             | 2.8G / 3.7G             | 6 MB      | DDR4-2400              | HD 630              |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
|                           | Core i7-7700T   | 4 / 8                             | 2.9G / 3.8G             | 8 MB      | DDR4-2400              | HD 630              |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
|                           | Core i5-6500  | 4 / 4                             | 3.2G / 3.6G             | 6 MB      | DDR4-2133              | HD 530              |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
|                           | Core i7-6700  | 4 / 8                             | 3.4G / 4.0G             | 8 MB      | DDR4-2133              | HD 530              |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
|                           | Core i5-7500  | 4 / 4                             | 3.4G / 3.8G             | 6 MB      | DDR4-2400              | HD 630              |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| Core i5-7600              | 4 / 4   | 3.5G / 4.1G                       | 6 MB                    | DDR4-2400 | HD 630                 |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| Core i7-7700              | 4 / 8   | 3.6G / 4.2G                       | 8 MB                    | DDR4-2400 | HD 630                 |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| Memory                    | 32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, non-ECC, dual-channel capable<br>* System automatically clocks down for the processors with lower memory controller  |                                   |                         |           |                        |                     | Keyboard<br><i>Some:</i> Lenovo Calliope Keyboard (USB connector), black<br><i>Some:</i> Lenovo Traditional Keyboard (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black<br>Mouse<br><i>Some:</i> Lenovo Calliope Mouse (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black<br>Mechanical<br>Tiny (1L), black color; metal case<br>● Toolless chassis open<br>● Toolless HDD, SSD, memory removal<br>● Optional toolless chassis screw<br>● Optional dust filter<br><table border="1"> <thead> <tr> <th></th> <th>Dimensions (WxDxH)</th> <th>Weight (Approx.)</th> </tr> </thead> <tbody> <tr> <td>M910 Tiny only</td> <td>7.05" X 7.20" X 1.36"<br/>179mm X 182.9mm X 34.5mm</td> <td>2.91 lb (1.32 kg), vary by config</td> </tr> <tr> <td>With VESA mount &amp; ODD box</td> <td>7.42" X 7.30" X 2.48"<br/>188.4mm X 185.38mm X 63mm</td> <td>3.66 lb (1.66 kg), vary by config</td> </tr> <tr> <td>With VESA mount &amp; I/O box</td> <td>7.42" X 7.30" X 2.62"<br/>188.4mm X 185.38mm X 66.6mm</td> <td>3.66 lb (1.66 kg), vary by config</td> </tr> </tbody> </table><br>VESA mount<br>Optional VESA mount bracket kit, supports VESA 75mm and 100mm<br>Floor Stand<br>Optional system floor stand for vertical orientation<br>Power supply<br>135 watts AC/DC adapter, autosensing, 88% PSU<br>Limited warranty <sup>3</sup><br><i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available<br><i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available<br>Preload<br><i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)<br><i>Some:</i> Windows 10 Pro 64-bit<br><i>Some:</i> Windows 10 Home 64-bit<br><b>Preloaded applications (only some listed)</b><br>● Microsoft Office preloaded; purchase a product key to activate<br>● Cyberlink PowerDVD Create (DVD±RW)<br>● Intel Unite (vPro models only)<br>- Only for Window 10<br>● Lenovo Companion<br>● Lenovo ID<br>● Cyberlink PowerDVD (DVD, DVD±RW)<br>- Only for Window 7<br>● Lenovo Solution Center<br>● Lenovo ThinkVantage Tools<br>● Create Recovery Media<br>● Adobe® Reader®<br>Environment<br>ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)<br>MIL-SPEC test<br>MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)<br>Accessories<br>For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a> |  | Dimensions (WxDxH) | Weight (Approx.) | M910 Tiny only | 7.05" X 7.20" X 1.36"<br>179mm X 182.9mm X 34.5mm | 2.91 lb (1.32 kg), vary by config | With VESA mount & ODD box | 7.42" X 7.30" X 2.48"<br>188.4mm X 185.38mm X 63mm | 3.66 lb (1.66 kg), vary by config | With VESA mount & I/O box | 7.42" X 7.30" X 2.62"<br>188.4mm X 185.38mm X 66.6mm | 3.66 lb (1.66 kg), vary by config |
|                           | Dimensions (WxDxH)  | Weight (Approx.)                  |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| M910 Tiny only            | 7.05" X 7.20" X 1.36"<br>179mm X 182.9mm X 34.5mm   | 2.91 lb (1.32 kg), vary by config |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| With VESA mount & ODD box | 7.42" X 7.30" X 2.48"<br>188.4mm X 185.38mm X 63mm  | 3.66 lb (1.66 kg), vary by config |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| With VESA mount & I/O box | 7.42" X 7.30" X 2.62"<br>188.4mm X 185.38mm X 66.6mm  | 3.66 lb (1.66 kg), vary by config |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| Storage                   | <i>Some:</i> Hard Drive* / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm, APS<br><i>Some:</i> Solid State Drive (SSD)* / SATA 6.0Gb/s, 2.5"<br>(* 2.5" HDD/SSD and RX 460 graphics are mutually exclusive)<br><i>Some:</i> M.2 SSD (support up to two M.2 SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s, RAID 0/1 support (RAID preset only available via special bid model)  |                                   |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| Optical                   | <i>Some:</i> Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2<br><i>Some:</i> DVD-ROM, slim (9.0mm), via USB external ODD box<br><i>Some:</i> DVD Burner (DVD±RW), slim (9.0mm), via USB external ODD box   |                                   |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| Onboard SATA Media reader | One onboard SATA 6.0Gb/s connector<br>None  |                                   |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| Graphics                  | <b>Intel HD Graphics 510/530/610/630</b> in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional video port (HDMI, VGA, 3rd DP, or USB 3.1 Type-C with DisplayPort Alternate Mode), up to 3 independent displays;<br><i>Max resolution:</i> 4096x2304 (DP) @60Hz; 4096x2304 (Type-C) @60Hz; 4096x2160 (HDMI) @24Hz; 1920x1200 (VGA) @60Hz<br><i>Some:</i> <b>AMD Radeon™ RX 460</b> , DirectX 12, 4GB, PCIe 3.0 x8 adapter (low profile), four mini DisplayPort, 35 watts (TDP), up to 4 independent displays, works along with 2 onboard DisplayPort to support up to 6 independent displays;<br><i>Max resolution:</i> 5120x2880 @60Hz (up to 2 mini DisplayPort); 4096x2160 @60Hz (up to 4 mini DisplayPort) |                                   |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| Monitor cable             | Optional DP to VGA, DP to DVI-D, DP to dual DP, mini DP to DP, or DP to HDMI 1.4  |                                   |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| Chipset                   | <b>Intel Q270 Chipset</b>   |                                   |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| Front ports               | Two USB 3.1 Gen1 (one is Always On and fast charge), one microphone (3.5mm), one headphone / microphone combo jack (3.5mm)  |                                   |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| Rear ports                | Four USB 3.1 Gen1 (optional optical box or I/O box occupies one or two specific USB 3.1 Gen1), ethernet (RJ-45), two DisplayPort, two optional ports (not available for the models with RX 460 graphics): Port 1 for [VGA / 3rd DP / HDMI / serial / USB 3.1 Type-C Gen 1 (with DisplayPort Alternate Mode)]; Port 2 for [serial]   |                                   |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| I/O box                   | Optional external I/O box, extends two USB 2.0, two USB 3.1 Gen1, and one serial on rear, two USB 2.0 on front, via USB cable (occupy 2 specific USB 3.1 G1 of Tiny)  |                                   |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| Audio support             | High Definition (HD) Audio, Realtek ALC294 / optional internal speaker (1w or 2w)   |                                   |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| WLAN <sup>13</sup>        | <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2  |                                   |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| Bluetooth™                | <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2<br><i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + BT combo adapter  |                                   |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |
| Ethernet Modem            | Gigabit ethernet, Intel Ethernet Connection I219-LM(Jacksonville), Wake on LAN®<br>None   |                                   |                         |           |                        |                     |   |  |                    |                  |                |   |                                   |                           |  |                                   |                           |  |                                   |

See footnotes for more detailed information

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| Model      | Region | Processor | vPro | Graphics      | Monitor Cable | Memory | Storage(HDD/SSD)        | External Optical / I/O Box | WLAN + Bluetooth           | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Dust Filter | Keyboard / Mouse | VESA Mount | Stand       | Power Supply     | Operating System     | Warranty       | Ann Date (mm/yy) |
|------------|--------|-----------|------|---------------|---------------|--------|-------------------------|----------------------------|----------------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|-------------|------------------|------------|-------------|------------------|----------------------|----------------|------------------|
| 10N00007SS | US     | i5-7600   | vPro | Intel HD 630  | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N00007US | US     | i5-7600   | vPro | Intel HD 630  | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N00008SS | US     | i5-7500   | vPro | Intel HD 630  | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N00008US | US     | i5-7500   | vPro | Intel HD 630  | None          | 4GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N00009SS | US     | i7-7700   | vPro | Intel HD 630  | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N00009US | US     | i7-7700   | vPro | Intel HD 630  | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N0000ASS | US     | i5-7500   | vPro | Intel HD 630  | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N0000AUS | US     | i5-7500   | vPro | Intel HD 630  | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N0000BSS | US     | i5-7500   | vPro | Intel HD 630  | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N0000BUS | US     | i5-7500   | vPro | Intel HD 630  | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N00014US | US     | i5-6500T  | vPro | AMD RX460 4GB | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |
| 10N00015SS | US     | i5-6500   | vPro | Intel HD 530  | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |
| 10N00015US | US     | i5-6500   | vPro | Intel HD 530  | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |
| 10N00016SS | US     | i7-6700   | vPro | Intel HD 530  | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |
| 10N00016US | US     | i7-6700   | vPro | Intel HD 530  | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |
| 10N00017US | US     | i7-6700T  | vPro | AMD RX460 4GB | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |
| 10N00018SS | US     | i5-7500T  | vPro | AMD RX460 4GB | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N00018US | US     | i5-7500T  | vPro | AMD RX460 4GB | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N00019US | US     | i5-6500T  | vPro | AMD RX460 4GB | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |
| 10N0001ASS | US     | i7-6700   | vPro | Intel HD 530  | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |

| Model      | Region | Processor | vPro | Graphics      | Monitor Cable | Memory | Storage(HDD/SSD)        | External Optical / I/O Box | WLAN + Bluetooth           | Optional Rear Ports | Chassis Intrusion Switch | Kensington Cable Lock | Speaker | Adapter Cage | Toolless Chassis Screw | Dust Filter | Keyboard / Mouse | VESA Mount | Stand       | Power Supply     | Operating System     | Warranty       | Ann Date (mm/yy) |
|------------|--------|-----------|------|---------------|---------------|--------|-------------------------|----------------------------|----------------------------|---------------------|--------------------------|-----------------------|---------|--------------|------------------------|-------------|------------------|------------|-------------|------------------|----------------------|----------------|------------------|
| 10N0001AUS | US     | i7-6700   | vPro | Intel HD 530  | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |
| 10N0001BSS | US     | i5-6500   | vPro | Intel HD 530  | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |
| 10N0001BUS | US     | i5-6500   | vPro | Intel HD 530  | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |
| 10N0001CSS | US     | i5-6500   | vPro | Intel HD 530  | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |
| 10N0001CUS | US     | i5-6500   | vPro | Intel HD 530  | None          | 8GBx1  | 500GB 7200rpm 2.5"      | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |
| 10N0001DSS | US     | i5-7500T  | vPro | AMD RX460 4GB | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N0001DUS | US     | i5-7500T  | vPro | AMD RX460 4GB | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N0001ESS | US     | i7-6700   | vPro | Intel HD 530  | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |
| 10N0001EUS | US     | i7-6700   | vPro | Intel HD 530  | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |
| 10N0001FSS | US     | i7-7700T  | vPro | AMD RX460 4GB | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N0001FUS | US     | i7-7700T  | vPro | AMD RX460 4GB | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N0001GSS | US     | i7-7700T  | vPro | AMD RX460 4GB | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N0001GUS | US     | i7-7700T  | vPro | AMD RX460 4GB | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 04/17            |
| 10N0001HUS | US     | i7-6700T  | vPro | AMD RX460 4GB | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | None                | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 DG Win7 Pro 64 | 3-year, Onsite | 04/17            |
| 10N0001JUS | US     | i7-7700   | vPro | Intel HD 630  | None          | 8GBx1  | 256GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 07/17            |
| 10N0001KUS | US     | i7-7700   | vPro | Intel HD 630  | None          | 8GBx1  | 512GB SSD M.2 PCIe NVMe | None                       | 8265 ac, 2x2, vPro + BT4.1 | 3rd DP              | Switch                   | None                  | 1Wx1    | None         | None                   | None        | USB / USB        | None       | Floor Stand | 135W Adapter 88% | Win10 Pro 64         | 3-year, Onsite | 07/17            |







# ThinkCentre Tiny-in-One (TIO) 22

Product Specifications Reference (PSREF)

|   |   |                                |                                  |
|---|---|--------------------------------|----------------------------------|
| Model   | 10LKPAR6++ / 10LKPAT6++   |                                |                                  |
| Form factor   | Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO 22, clean cabling and effortless setup   |                                |                                  |
| Compatible Tiny:                                    | M900 Tiny, M700 Tiny, M600 Tiny, M93/p Tiny*, M83 Tiny, M73 Tiny*, or M53 Tiny, Chromebox<br>* Non-TIO models can't be turned on by pressing power button of TIO 22   |                                |                                  |
| Panel   | TFT-LCD, In-Plane Switching (IPS), White LED backlight  |                                |                                  |
| Viewable image size                                 | 21.5" (546.1mm) diagonal  |                                |                                  |
| Max view area (W x H)                               | 18.74" x 10.54" / 476.06mm x 267.79mm   |                                |                                  |
| Bezel Width   | Top / Side: 2mm, Bottom: 16.3mm   |                                |                                  |
| Optimum resolution                                  | <b>1920x1080</b>  |                                |                                  |
| Aspect ratio  | 16:9  |                                |                                  |
| Pixel pitch (mm)                                    | 0.24795mm   |                                |                                  |
| Dot/Pixel per Inch                                  | 102.4 dpi   |                                |                                  |
| Brightness  | 250 nits or cd/m <sup>2</sup> (typical)   |                                |                                  |
| Contrast ratio                                      | 1000:1 (typical)  |                                |                                  |
| Pixel response time                                 | 7ms   |                                |                                  |
| Color gamut   | 72%   |                                |                                  |
| Anti-reflective                                     | Anti-glare  |                                |                                  |
| Viewing angle at 10:1 CR                            | 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical  |                                |                                  |
| Preset resolutions                                  | 640x350 @ 70Hz<br>640x480 @ 60Hz, 66Hz, 72Hz, 75Hz<br>720x400 @ 70Hz<br>800x600 @ 60Hz, 72Hz, 75Hz<br>1024x768 @ 60Hz, 70Hz, 75Hz<br>1152x864 @ 75Hz<br>1280x800 @ 60Hz<br>1280x1024 @ 60Hz, 72Hz, 75Hz<br>1366x768 @ 60Hz<br>1440x900 @ 60Hz, 75Hz<br>1600x1200 @ 60Hz, 70Hz, 75Hz<br>1680x1050 @ 60Hz<br>1920x1080 @ 60Hz |                                |                                  |
| Presets / user settings                             | Presets: 25; user settings: 25  |                                |                                  |
| On screen display                                   | On screen display with digital user controls (8 languages)  |                                |                                  |
| Control features                                    | Mode-switching (TIO mode / standalone monitor mode, switches video / audio / USB input sources) / Back button, Left shift button, Right shift / Brightness button, Selection button / Menu button, Power button   |                                |                                  |
| Tiny-in-One Power On                                | Pressing Alt + P on keyboard or pressing Power button positioned on TIO can turn on both TIO and Tiny (only some Tiny support, see compatible list)   |                                |                                  |
| Front ports   | Two USB 3.0 or two USB 2.0 (when M73 or M53 installed or USB 2.0 connected via USB upstream port), one headphone / microphone combo jack (3.5mm)<br>* The USB ports are only available when a Tiny is installed or a PC is connected via USB upstream port  |                                |                                  |
| Side ports  | Side ports offered by installed Tiny (optional)   |                                |                                  |
| Rear ports  | One DisplayPort 1.2 port, one USB upstream port, one power connector  |                                |                                  |
| 3-in-1 Cable  | Undetachable 3-in-1 cable (Power connector, USB 3.0 [supports USB 3.0/USB 2.0], DisplayPort 1.2), only for connecting to Tiny installed (optional)  |                                |                                  |
| Internal Speaker                                    | 1.5 watt x1   |                                |                                  |
| Security  | Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny with TIO 22 together, more security features offered by Tiny installed (optional)   |                                |                                  |
| Mechanical  | Dimensions  | TIO 22 without stand           | TIO 22 with stand                |
|   | W x D x H (inch)  | 19.25 x 2.65 x 12.47           | 19.25 x 9.90 x 14.02 - 18.35     |
|   | W x D x H (mm)  | 489.06 x 67.2 x 316.78         | 489.06 x 251.4 x 356.07 - 466.07 |
|   | Weight (approximately)  | 11.27 lb /5.11 kg (with stand) |                                  |
| Mounting features                                   | Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)<br><i>Tilt: 35° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°</i>  |                                |                                  |
| Adjustable stand                                    |   |                                |                                  |
| Power supply  | 90 watts AC/DC adapter, 88% PSU, universal  |                                |                                  |
| Power consumption                                   | 15.57 watts typical, 35 watts maximum, <0.5 watts standby / suspend   |                                |                                  |
| Limited warranty <sup>3</sup>                       | <b>3-years</b> , Customer Carry-In or Mail-In via Rapid Replacement Service   |                                |                                  |
| VESA-compliant <sup>2</sup>                         | VESA DDC2B/CI, VESA DPMS-compliant  |                                |                                  |
| Ergonomics  | ISO 9241-307  |                                |                                  |
| Emission standards                                  | FCC Class B   |                                |                                  |
| Environmental                                       | TCO 7.0, TCO Edge 2.0, WEEE, RoHS, ENERGY STAR® 7.0<br>EPEAT™ Gold rating, ULE Gold, TUV, VOC   |                                |                                  |
| Windows certifications                              | Windows 7, Windows 8/8.1, and Windows 10 certified  |                                |                                  |
| Ship group  | TIO 22 (Monitor), detachable stand, AC/DC power adapter, power cord, user's guide and driver CD, quick start and safety poster  |                                |                                  |
| Accessories   | For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>  |                                |                                  |
| <b>ThinkCentre Tiny-in-One 22 Compatible list</b>   |   |                                |                                  |
| Model   | M900 Tiny, M700 Tiny, M600 Tiny, M83 Tiny, M53 Tiny   | M93/p Tiny, M73 Tiny           | Chromebox                        |
| Turn on TIO and Tiny together via Alt + P on USB KB | All models  | All models                     | Not support                      |
| Turn on TIO and Tiny together via TIO Power Button  | All models  | TIO models                     | All models                       |

See footnotes for more detailed information

| Model      | Region | Color | Display Size | Resolution | Aspect Ratio | Pixel Pitch | Dot / Pixel Per Inch | Brightness | Contrast Ratio | Pixel Response Time | Color Gamut | View Angle (H / V) | Stand            | Power Consumption (Typical / Maximum) | Power Supply    | Warranty | Ann Date (mm/yy) |
|------------|--------|-------|--------------|------------|--------------|-------------|----------------------|------------|----------------|---------------------|-------------|--------------------|------------------|---------------------------------------|-----------------|----------|------------------|
| 10LKPAR6US | US     | Black | 21.5"        | 1920x1080  | 16:9         | 0.24795 mm  | 102.4 dpi            | 250 nits   | 1000:1         | 7 ms                | 72%         | 178 / 178          | Adjustable Stand | 15.57W / 35W                          | 90W 88% Adapter | 3-year   | 04/16            |
| 10LKPAT6US | US     | Black | 21.5"        | 1920x1080  | 16:9         | 0.24795 mm  | 102.4 dpi            | 250 nits   | 1000:1         | 7 ms                | 72%         | 178 / 178          | Adjustable Stand | 15.57W / 35W                          | 90W 88% Adapter | 3-year   | 04/16            |



# ThinkCentre Tiny-in-One (TIO) 22 Gen3

Product Specifications Reference (PSREF)

| Model   | <i>Non-touch model:</i> 10R1PAR1++/10R1PAT1++;<br><i>Touch model:</i> 10R0PAR1++/10R0PAT1++   |                               |             | Mounting features  | Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPI® (100mm mount)                      |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
|---|---|-------------------------------|-------------|--|--|---|------------------|----------------------|-------------------------------|----------------|--|-------------------------------|------------------|---|--------------------|------------|-------------|--|------------|------------|------------|
| Form factor   | Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO, clean cabling and effortless setup  |                               |             | Adjustable stand   | <i>Tilt:</i> 30° back, -5° forward;<br><i>lift:</i> 4.3" (110mm);<br><i>swivel:</i> +/-45°;<br><i>Pivot:</i> clockwise 0° to 90° |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Compatible Tiny:                                    | M910 / M710 / M900 / M700 / M600 / M715 / M93/p* / M83 / M73* / M53 / Chromebox Tiny<br>* Non-TIO models can't be turned on by pressing power button of TIO   |                               |             | Power supply   | 90 watts AC/DC adapter, 88% PSU, universal   |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Panel   | TFT-LCD, In-Plane Switching technology**, White LED backlight<br><i>Notes:</i> In-Plane Switching may refer to VA, PLS, and IPS panels  |                               |             | Power consumption  | 19 watts typical, 32 watts maximum, <0.5 watts standby / suspend   |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Viewable image size                                 | 21.5" (546.1mm) diagonal  |                               |             | Limited warranty   | <b>3-years</b> , Customer Carry-In or Mail-In via Rapid Replacement Service  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Max view area (W x H)                               | 18.74" x 10.54" / 476.1mm x 267.8mm   |                               |             | VESA-compliant   | VESA DDC2B/CI, VESA DPMS-compliant   |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Bezel Width   | Top / Side: 2mm, Bottom: 22.1mm   |                               |             | Ergonomics   | ISO 9241-307, TUV Eye Comfort certified  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Native resolution                                   | <b>1920x1080</b>  |                               |             | Emission standards   | FCC Class B  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Multi-touch   | Optional 10-point multi-touch, supports Wake on Touch   |                               |             | Environmental  | TCO 7.0, TCO Edge 2.0, WEEE, RoHS, ENERGY STAR® 7.0, EPEAT™ Gold rating, ULE Gold, TUV, VOC                                      |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Aspect ratio  | 16:9  |                               |             | Windows certifications   | Windows 7 and Windows 10 certified   |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Pixel pitch (mm)                                    | 0.24795mm   |                               |             | Ship group   | TIO (Monitor), detachable stand, AC/DC power adapter, power cord, user's guide and driver CD, quick start and safety poster      |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Dot/Pixel per Inch                                  | 102.4 dpi   |                               |             | Accessories  | For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>             |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Brightness  | 250 nits or cd/m² (typical)   |                               |             | <table border="1"> <thead> <tr> <th colspan="4">ThinkCentre Tiny-in-One 22 Gen3 Compatible list</th> </tr> <tr> <th>Model</th> <th>M910 / M710 / M900 / M700 / M600 / M715 / M83 / M53 Tiny</th> <th>M93/p Tiny, M73 Tiny</th> <th>Chromebox</th> </tr> </thead> <tbody> <tr> <td>Turn on TIO and Tiny together via Alt + P on USB KB</td> <td>All models</td> <td>All models</td> <td>Not support</td> </tr> <tr> <td>Turn on TIO and Tiny together via TIO Power Button</td> <td>All models</td> <td>TIO models</td> <td>All models</td> </tr> </tbody> </table> |  | ThinkCentre Tiny-in-One 22 Gen3 Compatible list |                  |                      |                               | Model          | M910 / M710 / M900 / M700 / M600 / M715 / M83 / M53 Tiny | M93/p Tiny, M73 Tiny          | Chromebox        | Turn on TIO and Tiny together via Alt + P on USB KB | All models         | All models | Not support | Turn on TIO and Tiny together via TIO Power Button | All models | TIO models | All models |
| ThinkCentre Tiny-in-One 22 Gen3 Compatible list     |   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Model   | M910 / M710 / M900 / M700 / M600 / M715 / M83 / M53 Tiny  | M93/p Tiny, M73 Tiny          | Chromebox   |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Turn on TIO and Tiny together via Alt + P on USB KB | All models  | All models                    | Not support |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Turn on TIO and Tiny together via TIO Power Button  | All models  | TIO models                    | All models  |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Contrast ratio                                      | 1000:1 (typical)  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Pixel response time                                 | 14ms (default), over drive to 4ms, 6ms  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Color gamut   | 72%   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Anti-reflective                                     | Anti-glare  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Viewing angle at 10:1 CR                            | 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Preset resolutions                                  | 640x350 @ 70Hz<br>640x480 @ 60Hz, 66Hz, 72Hz, 75Hz<br>720x400 @ 70Hz<br>800x600 @ 60Hz, 72Hz, 75Hz<br>1024x768 @ 60Hz, 70Hz, 75Hz<br>1152x864 @ 75Hz<br>1280x800 @ 60Hz<br>1280x1024 @ 60Hz, 72Hz, 75Hz<br>1366x768 @ 60Hz<br>1440x900 @ 60Hz, 75Hz<br>1600x1200 @ 60Hz, 70Hz, 75Hz<br>1680x1050 @ 60Hz<br>1920x1080 @ 60Hz   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Presets / user settings                             | Presets: 25; user settings: 25  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| On screen display                                   | On screen display with digital user controls (8 languages)  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Control features                                    | <i>Font:</i> Exit button, Left / Mode-switching button (TIO / monitor mode), Right / Brightness button, Enter / Menu button, Power button<br><i>Bottom:</i> Volume up button, Volume down button  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Tiny-in-One Power On                                | Pressing Alt + P on keyboard or pressing Power button positioned on TIO can turn on both TIO and Tiny (only some Tiny support, see compatible list)   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Side ports (TIO)                                    | One USB 3.1 Gen1 / USB 2.0 (when M73 or M53 installed or USB 2.0 connected via USB upstream port)<br><i>Notes:</i> The USB port is only available when a Tiny is installed or a PC is connected via USB upstream port   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Side ports (Tiny)                                   | Side ports offered by installed Tiny (optional)   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Rear ports  | One DisplayPort in port, one USB upstream port, one power connector   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| 3-in-1 Cable  | Undetachable 3-in-1 cable (Power connector, USB [supports USB 3.1 Gen1 / USB 2.0], DisplayPort), only for connecting to Tiny installed (optional)   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Camera  | 720p camera with dual microphone for VOIP, LED indicator  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Internal Speaker                                    | 2 watt x2   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Security  | Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny with TIO together, more security features offered by Tiny installed (optional)  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Mechanical  | <table border="1"> <thead> <tr> <th>Dimensions</th> <th>TIO without stand</th> <th>TIO with stand</th> </tr> </thead> <tbody> <tr> <td>W x D x H (inch)</td> <td>19.26 x 2.85 x 13.35</td> <td>19.26 x 10.76 x 14.59 - 18.93</td> </tr> <tr> <td>W x D x H (mm)</td> <td>489.3 x 72.5 x 339</td> <td>489.3 x 273.3 x 370.7 - 480.7</td> </tr> <tr> <td>Weight (Approx.)</td> <td>7.01 lb / 3.19 kg</td> <td>11.77 lb / 5.34 kg</td> </tr> </tbody> </table> |                               |             | Dimensions   | TIO without stand  | TIO with stand                                  | W x D x H (inch) | 19.26 x 2.85 x 13.35 | 19.26 x 10.76 x 14.59 - 18.93 | W x D x H (mm) | 489.3 x 72.5 x 339                                       | 489.3 x 273.3 x 370.7 - 480.7 | Weight (Approx.) | 7.01 lb / 3.19 kg                                   | 11.77 lb / 5.34 kg |            |             |  |            |            |            |
| Dimensions  | TIO without stand   | TIO with stand                |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| W x D x H (inch)                                    | 19.26 x 2.85 x 13.35  | 19.26 x 10.76 x 14.59 - 18.93 |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| W x D x H (mm)                                      | 489.3 x 72.5 x 339  | 489.3 x 273.3 x 370.7 - 480.7 |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |
| Weight (Approx.)                                    | 7.01 lb / 3.19 kg   | 11.77 lb / 5.34 kg            |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                    |            |             |  |            |            |            |

# ThinkCentre Tiny-In-One 22 Gen3 - 10R0

Product Specifications Reference (PSREF)

| Model      | Product                         | Region | Color | Display Size | Multi-touch          | Resolution | Aspect Ratio | Pixel Pitch | Dot / Pixel Per Inch | Brightness | Contrast Ratio | Pixel Response Time | Color Gamut | View Angle (H / V) | Stand            | Power Consumption (Typical / Maximum) | Power Supply    | Warranty | Ann Date (mm/yy) |
|------------|---------------------------------|--------|-------|--------------|----------------------|------------|--------------|-------------|----------------------|------------|----------------|---------------------|-------------|--------------------|------------------|---------------------------------------|-----------------|----------|------------------|
| 10R0PAR1US | ThinkCentre Tiny-in-One 22 Gen3 | US     | Black | 21.5"        | 10-point Multi-touch | 1920x1080  | 16:9         | 0.24795 mm  | 102.4 dpi            | 250 nits   | 1000:1         | 4-14 ms             | 72%         | 178 / 178          | Adjustable Stand | 19W / 32W                             | 90W 88% Adapter | 3-year   | 07/17            |
| 10R0PAT1US | ThinkCentre Tiny-in-One 22 Gen3 | US     | Black | 21.5"        | 10-point Multi-touch | 1920x1080  | 16:9         | 0.24795 mm  | 102.4 dpi            | 250 nits   | 1000:1         | 4-14 ms             | 72%         | 178 / 178          | Adjustable Stand | 19W / 32W                             | 90W 88% Adapter | 3-year   | 07/17            |

ThinkCentre Tiny-In-One 22 Gen3 - 10R1

Product Specifications Reference (PSREF)

| Model      | Product                         | Region | Color | Display Size | Multi-touch | Resolution | Aspect Ratio | Pixel Pitch | Dot / Pixel Per Inch | Brightness | Contrast Ratio | Pixel Response Time | Color Gamut | View Angle (H / V) | Stand            | Power Consumption (Typical / Maximum) | Power Supply    | Warranty | Ann Date (mm/yy) |
|------------|---------------------------------|--------|-------|--------------|-------------|------------|--------------|-------------|----------------------|------------|----------------|---------------------|-------------|--------------------|------------------|---------------------------------------|-----------------|----------|------------------|
| 10R1PAR1US | ThinkCentre Tiny-in-One 22 Gen3 | US     | Black | 21.5"        | No          | 1920x1080  | 16:9         | 0.24795 mm  | 102.4 dpi            | 250 nits   | 1000:1         | 4-14 ms             | 72%         | 178 / 178          | Adjustable Stand | 19W / 32W                             | 90W 88% Adapter | 3-year   | 07/17            |
| 10R1PAT1US | ThinkCentre Tiny-in-One 22 Gen3 | US     | Black | 21.5"        | No          | 1920x1080  | 16:9         | 0.24795 mm  | 102.4 dpi            | 250 nits   | 1000:1         | 4-14 ms             | 72%         | 178 / 178          | Adjustable Stand | 19W / 32W                             | 90W 88% Adapter | 3-year   | 07/17            |



# ThinkCentre Tiny-in-One (TIO) 24

Product Specifications Reference (PSREF)

|   |   |                                |                                 |
|---|---|--------------------------------|---------------------------------|
| Model   | 10LLPAR6++ / 10LLPAT6++   |                                |                                 |
| Form factor   | Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO 24, clean cabling and effortless setup   |                                |                                 |
| Compatible Tiny:                                    | M900 Tiny, M700 Tiny, M600 Tiny, M93/p Tiny*, M83 Tiny, M73 Tiny*, or M53 Tiny, Chromebox<br>* Non-TIO models can't be turned on by pressing power button of TIO 24   |                                |                                 |
| Panel   | TFT-LCD, In-Plane Switching (IPS), White LED backlight  |                                |                                 |
| Viewable image size                                 | 23.8" (604.7mm) diagonal  |                                |                                 |
| Max view area (W x H)                               | 21.06" x 12.32" / 535.0mm x 313.0mm   |                                |                                 |
| Bezel Width   | Top / Side: 2mm, Bottom: 16.3mm   |                                |                                 |
| Optimum resolution                                  | <b>1920x1080</b>  |                                |                                 |
| Aspect ratio  | 16:9  |                                |                                 |
| Pixel pitch (mm)                                    | 0.2745mm  |                                |                                 |
| Dot/Pixel per Inch                                  | 92.6 dpi  |                                |                                 |
| Brightness  | 250 nits or cd/m <sup>2</sup> (typical)   |                                |                                 |
| Contrast ratio                                      | 1000:1 (typical)  |                                |                                 |
| Pixel response time                                 | 7ms   |                                |                                 |
| Color gamut   | 72%   |                                |                                 |
| Anti-reflective                                     | Anti-glare  |                                |                                 |
| Viewing angle at 10:1 CR                            | 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical  |                                |                                 |
| Preset resolutions                                  | 640x350 @ 70Hz<br>640x480 @ 60Hz, 66Hz, 72Hz, 75Hz<br>720x400 @ 70Hz<br>800x600 @ 60Hz, 72Hz, 75Hz<br>1024x768 @ 60Hz, 70Hz, 75Hz<br>1152x864 @ 75Hz<br>1280x800 @ 60Hz<br>1280x1024 @ 60Hz, 72Hz, 75Hz<br>1366x768 @ 60Hz<br>1440x900 @ 60Hz, 75Hz<br>1600x1200 @ 60Hz, 70Hz, 75Hz<br>1680x1050 @ 60Hz<br>1920x1080 @ 60Hz |                                |                                 |
| Presets / user settings                             | Presets: 25; user settings: 25  |                                |                                 |
| On screen display                                   | On screen display with digital user controls (8 languages)  |                                |                                 |
| Control features                                    | Mode-switching (TIO mode / standalone monitor mode, switches video / audio / USB input sources) / Back button, Left shift button, Right shift / Brightness button, Selection button / Menu button, Power button   |                                |                                 |
| Tiny-in-One Power On                                | Pressing Alt + P on keyboard or pressing Power button positioned on TIO can turn on both TIO and Tiny (only some Tiny support, see compatible list)   |                                |                                 |
| Front ports   | Two USB 3.0 or two USB 2.0 (when M73 or M53 installed or USB 2.0 connected via USB upstream port), one headphone / microphone combo jack (3.5mm)<br>* The USB ports are only available when a Tiny is installed or a PC is connected via USB upstream port  |                                |                                 |
| Side ports  | Side ports offered by installed Tiny (optional)   |                                |                                 |
| Rear ports  | One DisplayPort 1.2 port, one USB upstream port, one power connector  |                                |                                 |
| 3-in-1 Cable  | Undetachable 3-in-1 cable (Power connector, USB 3.0 [supports USB 3.0/USB 2.0], DisplayPort 1.2), only for connecting to Tiny installed (optional)  |                                |                                 |
| Internal Speaker                                    | 1.5 watt x1   |                                |                                 |
| Security  | Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny with TIO 24 together, more security features offered by Tiny installed (optional)   |                                |                                 |
| Mechanical  | Dimensions  | TIO 24 without stand           | TIO 24 with stand               |
|   | W x D x H (inch)  | 21.24 x 2.7 x 13.64            | 21.24 x 9.90 x 15.16 - 19.46    |
|   | W x D x H (mm)  | 539.6 x 68.2 x 346.45          | 539.6 x 251.4 x 385.08 - 495.08 |
|   | Weight (approximately)  | 12.25 lb /5.57 kg (with stand) |                                 |
| Mounting features                                   | Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)  |                                |                                 |
| Adjustable stand                                    | Tilt: 35° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°   |                                |                                 |
| Power supply  | 90 watts AC/DC adapter, 88% PSU, universal  |                                |                                 |
| Power consumption                                   | 16.7 watts typical, 35 watts maximum, <0.5 watts standby / suspend  |                                |                                 |
| Limited warranty <sup>3</sup>                       | <b>3-years</b> , Customer Carry-In or Mail-In via Rapid Replacement Service   |                                |                                 |
| VESA-compliant <sup>2</sup>                         | VESA DDC2B/CI, VESA DPMS-compliant  |                                |                                 |
| Ergonomics  | ISO 9241-307  |                                |                                 |
| Emission standards                                  | FCC Class B   |                                |                                 |
| Environmental                                       | TCO 7.0, TCO Edge 2.0, WEEE, RoHS, ENERGY STAR® 7.0   |                                |                                 |
| Windows certifications                              | EPEAT™ Gold rating, ULE Gold, TUV, VOC<br>Windows 7, Windows 8/8.1, and Windows 10 certified  |                                |                                 |
| Ship group  | TIO 24 (Monitor), detachable stand, AC/DC power adapter, power cord, user's guide and driver CD, quick start and safety poster  |                                |                                 |
| Accessories   | For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>  |                                |                                 |
| <b>ThinkCentre Tiny-in-One 24 Compatible list</b>   |   |                                |                                 |
| Model   | M900 Tiny, M700 Tiny, M600 Tiny, M83 Tiny, M53 Tiny   | M93/p Tiny, M73 Tiny           | Chromebox                       |
| Turn on TIO and Tiny together via Alt + P on USB KB | All models  | All models                     | Not support                     |
| Turn on TIO and Tiny together via TIO Power Button  | All models  | TIO models                     | All models                      |

See footnotes for more detailed information



| Model      | Region | Color | Display Size | Resolution | Aspect Ratio | Pixel Pitch | Dot / Pixel Per Inch | Brightness | Contrast Ratio | Pixel Response Time | Color Gamut | View Angle (H / V) | Stand            | Power Consumption (Typical / Maximum) | Power Supply    | Warranty | Ann Date (mm/yy) |
|------------|--------|-------|--------------|------------|--------------|-------------|----------------------|------------|----------------|---------------------|-------------|--------------------|------------------|---------------------------------------|-----------------|----------|------------------|
| 10LLPAR6US | US     | Black | 23.8"        | 1920x1080  | 16:9         | 0.2745 mm   | 92.6 dpi             | 250 nits   | 1000:1         | 7 ms                | 72%         | 178 / 178          | Adjustable Stand | 16.7W / 35W                           | 90W 88% Adapter | 3-year   | 05/16            |
| 10LLPAT6US | US     | Black | 23.8"        | 1920x1080  | 16:9         | 0.2745 mm   | 92.6 dpi             | 250 nits   | 1000:1         | 7 ms                | 72%         | 178 / 178          | Adjustable Stand | 16.7W / 35W                           | 90W 88% Adapter | 3-year   | 05/16            |



# ThinkCentre Tiny-in-One (TIO) 24 Gen3

Product Specifications Reference (PSREF)

| Model   | <i>Non-touch model:</i> 10QYPAR1++/10QYPAT1++;<br><i>Touch model:</i> 10QXPAR1++/10QXPAT1++   |                               |             | Mounting features  | Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPI® (100mm mount)                      |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
|---|---|-------------------------------|-------------|--|--|---|------------------|----------------------|-------------------------------|----------------|--|-------------------------------|------------------|---|-------------------|------------|-------------|--|------------|------------|------------|
| Form factor   | Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO, clean cabling and effortless setup  |                               |             | Adjustable stand   | <i>Tilt:</i> 30° back, -5° forward;<br><i>lift:</i> 4.3" (110mm);<br><i>swivel:</i> +/-45°;<br><i>Pivot:</i> clockwise 0° to 90° |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Compatible Tiny:                                    | M910 / M710 / M900 / M700 / M600 / M715 / M93/p* / M83 / M73* / M53 / Chromebox Tiny<br>* Non-TIO models can't be turned on by pressing power button of TIO   |                               |             | Power supply   | 90 watts AC/DC adapter, 88% PSU, universal   |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Panel   | TFT-LCD, In-Plane Switching technology**, White LED backlight<br><i>Notes:</i> In-Plane Switching may refer to VA, PLS, and IPS panels  |                               |             | Power consumption  | 19 watts typical, 32 watts maximum, <0.5 watts standby / suspend   |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Viewable image size                                 | 23.8" (604.7mm) diagonal  |                               |             | Limited warranty   | <b>3-years</b> , Customer Carry-In or Mail-In via Rapid Replacement Service  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Max view area (W x H)                               | 21.06" x 12.32" / 535.0mm x 313.0mm   |                               |             | VESA-compliant   | VESA DDC2B/CI, VESA DPMS-compliant   |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Bezel Width   | Top / Side: 2mm, Bottom: 22.1mm   |                               |             | Ergonomics   | ISO 9241-307, TUV Eye Comfort certified  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Native resolution                                   | <b>1920x1080</b>  |                               |             | Emission standards   | FCC Class B  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Multi-touch   | Optional 10-point multi-touch, supports Wake on Touch   |                               |             | Environmental  | TCO 7.0, TCO Edge 2.0, WEEE, RoHS, ENERGY STAR® 7.0, EPEAT™ Gold rating, ULE Gold, TUV, VOC                                      |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Aspect ratio  | 16:9  |                               |             | Windows certifications   | Windows 7 and Windows 10 certified   |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Pixel pitch (mm)                                    | 0.2745mm  |                               |             | Ship group   | TIO 24 (Monitor), detachable stand, AC/DC power adapter, power cord, user's guide and driver CD, quick start and safety poster   |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Dot/Pixel per Inch                                  | 92.6 dpi  |                               |             | Accessories  | For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>             |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Brightness  | 250 nits or cd/m <sup>2</sup> (typical)   |                               |             | <table border="1"> <thead> <tr> <th colspan="4">ThinkCentre Tiny-in-One 24 Gen3 Compatible list</th> </tr> <tr> <th>Model</th> <th>M910 / M710 / M900 / M700 / M600 / M715 / M83 / M53 Tiny</th> <th>M93/p Tiny, M73 Tiny</th> <th>Chromebox</th> </tr> </thead> <tbody> <tr> <td>Turn on TIO and Tiny together via Alt + P on USB KB</td> <td>All models</td> <td>All models</td> <td>Not support</td> </tr> <tr> <td>Turn on TIO and Tiny together via TIO Power Button</td> <td>All models</td> <td>TIO models</td> <td>All models</td> </tr> </tbody> </table> |  | ThinkCentre Tiny-in-One 24 Gen3 Compatible list |                  |                      |                               | Model          | M910 / M710 / M900 / M700 / M600 / M715 / M83 / M53 Tiny | M93/p Tiny, M73 Tiny          | Chromebox        | Turn on TIO and Tiny together via Alt + P on USB KB | All models        | All models | Not support | Turn on TIO and Tiny together via TIO Power Button | All models | TIO models | All models |
| ThinkCentre Tiny-in-One 24 Gen3 Compatible list     |   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Model   | M910 / M710 / M900 / M700 / M600 / M715 / M83 / M53 Tiny  | M93/p Tiny, M73 Tiny          | Chromebox   |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Turn on TIO and Tiny together via Alt + P on USB KB | All models  | All models                    | Not support |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Turn on TIO and Tiny together via TIO Power Button  | All models  | TIO models                    | All models  |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Contrast ratio                                      | 1000:1 (typical)  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Pixel response time                                 | 14ms (default), over drive to 4ms, 6ms  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Color gamut   | 72%   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Anti-reflective                                     | Anti-glare  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Viewing angle at 10:1 CR                            | 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Preset resolutions                                  | 640x350 @ 70Hz<br>640x480 @ 60Hz, 67Hz, 72Hz, 75Hz<br>720x400 @ 70Hz<br>800x600 @ 60Hz, 72Hz, 75Hz<br>1024x768 @ 60Hz, 70Hz, 75Hz<br>1152x864 @ 75Hz<br>1280x800 @ 60Hz<br>1280x1024 @ 60Hz, 72Hz, 75Hz<br>1366x768 @ 60Hz<br>1440x900 @ 60Hz, 75Hz<br>1600x1200 @ 60Hz, 70Hz, 75Hz<br>1680x1050 @ 60Hz<br>1920x1080 @ 60Hz   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Presets / user settings                             | Presets: 25; user settings: 25  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| On screen display                                   | On screen display with digital user controls (8 languages)  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Control features                                    | Font: Exit button, Left / Mode-switching button (TIO / monitor mode), Right / Brightness button, Enter / Menu button, Power button<br>Bottom: Volume up button, Volume down button  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Tiny-in-One Power On                                | Pressing Alt + P on keyboard or pressing Power button positioned on TIO can turn on both TIO and Tiny (only some Tiny support, see compatible list)   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Side ports (TIO)                                    | One USB 3.1 Gen1 / USB 2.0 (when M73 or M53 installed or USB 2.0 connected via USB upstream port)<br><i>Notes:</i> The USB port is only available when a Tiny is installed or a PC is connected via USB upstream port   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Side ports (Tiny)                                   | Side ports offered by installed Tiny (optional)   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Rear ports  | One DisplayPort in port, one USB upstream port, one power connector   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| 3-in-1 Cable  | Undetachable 3-in-1 cable (Power connector, USB [supports USB 3.1 Gen1 / USB 2.0], DisplayPort), only for connecting to Tiny installed (optional)   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Camera  | 1080p camera with dual microphone for VOIP, LED indicator   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Internal Speaker                                    | 2 watt x2   |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Security  | Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny with TIO together, more security features offered by Tiny installed (optional)  |                               |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Mechanical  | <table border="1"> <thead> <tr> <th>Dimensions</th> <th>TIO without stand</th> <th>TIO with stand</th> </tr> </thead> <tbody> <tr> <td>W x D x H (inch)</td> <td>21.25 x 2.85 x 14.47</td> <td>21.25 x 11.11 x 15.72 - 20.06</td> </tr> <tr> <td>W x D x H (mm)</td> <td>539.8 x 72.5 x 367.6</td> <td>539.8 x 282.3 x 399.4 - 509.4</td> </tr> <tr> <td>Weight (Approx.)</td> <td>7.96 lb /3.61 kg</td> <td>12.92 lb /5.86 kg</td> </tr> </tbody> </table> |                               |             | Dimensions   | TIO without stand  | TIO with stand                                  | W x D x H (inch) | 21.25 x 2.85 x 14.47 | 21.25 x 11.11 x 15.72 - 20.06 | W x D x H (mm) | 539.8 x 72.5 x 367.6                                     | 539.8 x 282.3 x 399.4 - 509.4 | Weight (Approx.) | 7.96 lb /3.61 kg                                    | 12.92 lb /5.86 kg |            |             |  |            |            |            |
| Dimensions  | TIO without stand   | TIO with stand                |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| W x D x H (inch)                                    | 21.25 x 2.85 x 14.47  | 21.25 x 11.11 x 15.72 - 20.06 |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| W x D x H (mm)                                      | 539.8 x 72.5 x 367.6  | 539.8 x 282.3 x 399.4 - 509.4 |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |
| Weight (Approx.)                                    | 7.96 lb /3.61 kg  | 12.92 lb /5.86 kg             |             |  |  |   |                  |                      |                               |                |  |                               |                  |   |                   |            |             |  |            |            |            |

# ThinkCentre Tiny-In-One 24 Gen3 - 10QX

Product Specifications Reference (PSREF)

| Model      | Product                         | Region | Color | Display Size | Multi-touch          | Resolution | Aspect Ratio | Pixel Pitch | Dot / Pixel Per Inch | Brightness | Contrast Ratio | Pixel Response Time | Color Gamut | View Angle (H / V) | Stand            | Power Consumption (Typical / Maximum) | Power Supply    | Warranty | Ann Date (mm/yy) |
|------------|---------------------------------|--------|-------|--------------|----------------------|------------|--------------|-------------|----------------------|------------|----------------|---------------------|-------------|--------------------|------------------|---------------------------------------|-----------------|----------|------------------|
| 10QXPAR1US | ThinkCentre Tiny-in-One 24 Gen3 | US     | Black | 23.8"        | 10-point Multi-touch | 1920x1080  | 16:9         | 0.2745 mm   | 92.6 dpi             | 250 nits   | 1000:1         | 4-14 ms             | 72%         | 178 / 178          | Adjustable Stand | 19W / 32W                             | 90W 88% Adapter | 3-year   | 07/17            |
| 10QXPAT1US | ThinkCentre Tiny-in-One 24 Gen3 | US     | Black | 23.8"        | 10-point Multi-touch | 1920x1080  | 16:9         | 0.2745 mm   | 92.6 dpi             | 250 nits   | 1000:1         | 4-14 ms             | 72%         | 178 / 178          | Adjustable Stand | 19W / 32W                             | 90W 88% Adapter | 3-year   | 07/17            |

# ThinkCentre Tiny-In-One 24 Gen3 - 10QY

Product Specifications Reference (PSREF)

| Model      | Product                         | Region | Color | Display Size | Multi-touch | Resolution | Aspect Ratio | Pixel Pitch | Dot / Pixel Per Inch | Brightness | Contrast Ratio | Pixel Response Time | Color Gamut | View Angle (H / V) | Stand            | Power Consumption (Typical / Maximum) | Power Supply          | Warranty | Ann Date (mm/yy) |
|------------|---------------------------------|--------|-------|--------------|-------------|------------|--------------|-------------|----------------------|------------|----------------|---------------------|-------------|--------------------|------------------|---------------------------------------|-----------------------|----------|------------------|
| 10QYPAR1US | ThinkCentre Tiny-in-One 24 Gen3 | US     | Black | 23.8"        | No          | 1920x1080  | 16:9         | 0.2745 mm   | 92.6 dpi             | 250 nits   | 1000:1         | 4-14 ms             | 72%         | 178 / 178          | Adjustable Stand | 19W / 32W                             | 90W<br>88%<br>Adapter | 3-year   | 07/17            |
| 10QYPAT1US | ThinkCentre Tiny-in-One 24 Gen3 | US     | Black | 23.8"        | No          | 1920x1080  | 16:9         | 0.2745 mm   | 92.6 dpi             | 250 nits   | 1000:1         | 4-14 ms             | 72%         | 178 / 178          | Adjustable Stand | 19W / 32W                             | 90W<br>88%<br>Adapter | 3-year   | 07/17            |



# ThinkCentre X1 Platform Specifications

Product Specifications Reference (PSREF)

| Processor   | Intel® 6th Generation Intel Core™ i3 / i5 / i7 Processor   |                      |                                |           |              |                     |            | Security features <ul style="list-style-type: none"> <li>• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)</li> <li>• Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>• Power-on, admin, hard disk password</li> <li>• Boot sequence control</li> <li>• Boot without keyboard and mouse</li> <li>• Individual USB port disablement</li> <li>• Optional chassis intrusion switch</li> </ul>  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
|---|--|----------------------|--------------------------------|-----------|--------------|---------------------|------------|--|---|--|----------------------|-------------|----------------|--|---------|-----|-------------------------|---|----------|--------------------------------|
|   | Processor  | Cores / Threads      | Frequency Base/Max(GHz)        | Cache     | Memory Types | Integrated Graphics | Intel vPro |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
|   | Core i3-6100U  | 2 / 4                | 2.3 G                          | 3 MB      | DDR4-2133    | HD 520              | No         |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
|   | Core i5-6200U  | 2 / 4                | 2.3 G / 2.8 G                  | 3 MB      | DDR4-2133    | HD 520              | No         |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
|   | Core i5-6300U  | 2 / 4                | 2.4 G / 3.0 G                  | 3 MB      | DDR4-2133    | HD 520              | vPro       |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Core i7-6600U   | 2 / 4  | 2.6 G / 3.4 G        | 4 MB                           | DDR4-2133 | HD 520       | vPro                |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
|   | Intel Architecture (IA) SoC that integrates Intel processor core, graphics, memory controller, and I/O interfaces into a single system-on-chip solution  |                      |                                |           |              |                     |            | Keyboard <ul style="list-style-type: none"> <li>Some: Lenovo Slim USB Keyboard (USB connector), black</li> <li>Some: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black</li> </ul> Mouse <ul style="list-style-type: none"> <li>Some: Enhanced Optical USB Mouse, black, Lenovo logo</li> <li>Some: Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black</li> </ul>   |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Memory  | 16GB max, DDR4 2133, one 260-pin SO-DIMM socket  |                      |                                |           |              |                     |            | Mechanical <ul style="list-style-type: none"> <li>• Business black color, Aluminum Alloy</li> <li>• Toolless back cover and memory removal</li> <li>• Optional VESA mount kit (100mm)</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Dimensions (WxDxH)</th> <th>Max weight (lb / kg)</th> <th>Adjustments</th> </tr> </thead> <tbody> <tr> <td>Without stand:</td> <td>22.4 X 1.3 X 14.2 (inch);<br/>570 X 33 X 360 (mm)</td> <td>8.8 / 4</td> <td>N/A</td> </tr> <tr> <td>With Orchid tilt stand:</td> <td>22.4 X 9.4 X 17.8 (inch);<br/>570 X 240 X 451 (mm)</td> <td>11.0 / 5</td> <td>Tilt: 45° back,<br/>-5° forward</td> </tr> </tbody> </table>  |   | Dimensions (WxDxH)   | Max weight (lb / kg) | Adjustments | Without stand: | 22.4 X 1.3 X 14.2 (inch);<br>570 X 33 X 360 (mm) | 8.8 / 4 | N/A | With Orchid tilt stand: | 22.4 X 9.4 X 17.8 (inch);<br>570 X 240 X 451 (mm) | 11.0 / 5 | Tilt: 45° back,<br>-5° forward |
|   | Dimensions (WxDxH)   | Max weight (lb / kg) | Adjustments                    |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Without stand:  | 22.4 X 1.3 X 14.2 (inch);<br>570 X 33 X 360 (mm)   | 8.8 / 4              | N/A                            |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| With Orchid tilt stand:   | 22.4 X 9.4 X 17.8 (inch);<br>570 X 240 X 451 (mm)  | 11.0 / 5             | Tilt: 45° back,<br>-5° forward |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Disk  | Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm<br>Some: Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" Wide, 5400 rpm<br>Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide  |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Optical Media reader  | None<br>Optional 9-in-1 media card reader  |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Graphics  | <b>Intel HD Graphics 520</b> in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™; <i>Max resolution: 4096x2304 (DP)@60Hz</i>  |                      |                                |           |              |                     |            | Power supply <ul style="list-style-type: none"> <li>90 watts adapter, autosensing, 88% PSU</li> </ul> Limited warranty <sup>3</sup> <ul style="list-style-type: none"> <li>Some: <b>1-year</b> or <b>3-year, limited onsite service</b></li> <li>Some: <b>3-years, limited onsite service, OID</b> (Onsite International Delivery) / <i>For Lenovo service upgrade options, please go to S-TC sheet</i></li> </ul> Preload <table border="0"> <tr> <td> <b>Preloaded operating system</b><br/>                     Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit<br/>                     Some: Windows 7 Professional 64<br/>                     Some: Windows 10 Pro 64-bit<br/>                     Some: Windows 10 Home 64-bit                 </td> <td> <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>• Desktop Power Manager</li> <li>• Lenovo Solution Center</li> <li>• Lenovo REACHit</li> <li>• Lenovo SHAREit</li> <li>• Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)</li> <li>• McAfee® LiveSafe™ (30-day trial)</li> <li>• Microsoft Office preloaded; purchase a product key to activate</li> <li>• Lenovo ThinkVantage Tools                             <ul style="list-style-type: none"> <li>- Only for Window 10</li> <li>• Lenovo Companion</li> <li>- Only for Window 7</li> <li>• Rescue and Recovery</li> <li>• Password Manager</li> <li>• ThinkVantage System Update</li> <li>• Lenovo Message Center Plus</li> <li>• Adobe® Reader®</li> </ul> </li> </ul> </td> </tr> </table> | <b>Preloaded operating system</b><br>Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit<br>Some: Windows 7 Professional 64<br>Some: Windows 10 Pro 64-bit<br>Some: Windows 10 Home 64-bit | <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>• Desktop Power Manager</li> <li>• Lenovo Solution Center</li> <li>• Lenovo REACHit</li> <li>• Lenovo SHAREit</li> <li>• Lenovo Bluetooth Lock (for models with Wi-Fi/BT card)</li> <li>• McAfee® LiveSafe™ (30-day trial)</li> <li>• Microsoft Office preloaded; purchase a product key to activate</li> <li>• Lenovo ThinkVantage Tools                             <ul style="list-style-type: none"> <li>- Only for Window 10</li> <li>• Lenovo Companion</li> <li>- Only for Window 7</li> <li>• Rescue and Recovery</li> <li>• Password Manager</li> <li>• ThinkVantage System Update</li> <li>• Lenovo Message Center Plus</li> <li>• Adobe® Reader®</li> </ul> </li> </ul> |                      |             |                |  |         |     |                         |   |          |                                |
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| DP Dongle Display   | Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle <b>23.8"</b> (604.5mm) <b>Full HD 1080p (1920x1080) TFT color</b> , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via DisplayPort (DP in / out combo)   |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Light sensor  | None   |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Multi-touch Camera  | 2.0-megapixel camera, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off, Skype for Business certified   |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Controls  | Microphone mute, DP in / out switch, and power button  |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Chipset   | <b>Intel System-on-Chip (SoC) platform</b>   |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Rear ports  | Three USB 3.0, ethernet (RJ-45), DisplayPort in/out combo port,  |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Side ports  | Two USB 3.0 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm)  |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| M.2 card slot   | One M.2 Card slot (for WLAN)   |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Audio support   | High Definition (HD) Audio, Realtek ALC233 / two internal speakers (5W x 2), Dolby® Audio™ certified, Skype for Business certified   |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| WLAN <sup>13</sup>  | Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br>Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2<br>Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2   |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Bluetooth™ Ethernet   | Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®  |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Manageability   | Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)  |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| Security chip   | Trusted Platform Module (TPM 1.2-compliant)  |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |
| See footnotes for more detailed information   |  |                      |                                |           |              |                     |            |  |   |  |                      |             |                |  |         |     |                         |   |          |                                |

ThinkCentre X1 AIO - TopSeller - 10KE

Product Specifications Reference (PSREF)

| Model      | Region | Processor | vPro | Graphics     | Monitor Cable | Memory | Display                              | Multi-touch | Storage(HDD/SSD)   | Media Reader | WLAN + Bluetooth     | Camera | Chassis Intrusion Switch | Keyboard / Mouse | Stand             | Power Supply    | Operating System     | Warranty       | Global | Ann Date (mm/yy) |
|------------|--------|-----------|------|--------------|---------------|--------|--------------------------------------|-------------|--------------------|--------------|----------------------|--------|--------------------------|------------------|-------------------|-----------------|----------------------|----------------|--------|------------------|
| 10KE0007US | US     | i5-6200U  | No   | Intel HD 520 | None          | 8GBx1  | 23.8" FHD (1920x1080) IPS Anti-glare | None        | 256GB SSD          | 9-in-1       | 8260 ac, 2x2 + BT4.1 | 1080p  | None                     | 2.4G / 2.4G      | Orchid Tilt Stand | 90W 88% Adapter | Win10 DG Win7 Pro 64 | 3-year, Onsite | No     | 01/16            |
| 10KE0008US | US     | i5-6200U  | No   | Intel HD 520 | None          | 4GBx1  | 23.8" FHD (1920x1080) IPS Anti-glare | None        | 120GB SSD          | 9-in-1       | 8260 ac, 2x2 + BT4.1 | 1080p  | None                     | 2.4G / 2.4G      | Orchid Tilt Stand | 90W 88% Adapter | Win10 DG Win7 Pro 64 | 3-year, Onsite | No     | 01/16            |
| 10KE001CUS | US     | i5-6200U  | No   | Intel HD 520 | None          | 8GBx1  | 23.8" FHD (1920x1080) IPS Anti-glare | None        | 256GB SSD          | None         | 8260 ac, 2x2 + BT4.1 | 1080p  | None                     | USB (Slim) / USB | Orchid Tilt Stand | 90W 88% Adapter | Win10 Pro 64         | 3-year, Onsite | No     | 08/16            |
| 10KE001DUS | US     | i5-6200U  | No   | Intel HD 520 | None          | 4GBx1  | 23.8" FHD (1920x1080) IPS Anti-glare | None        | 128GB SSD          | None         | 8260 ac, 2x2 + BT4.1 | 1080p  | None                     | USB (Slim) / USB | Orchid Tilt Stand | 90W 88% Adapter | Win10 Pro 64         | 3-year, Onsite | No     | 08/16            |
| 10KE001EUS | US     | i5-6200U  | No   | Intel HD 520 | None          | 4GBx1  | 23.8" FHD (1920x1080) IPS Anti-glare | None        | 128GB SSD          | None         | 8260 ac, 2x2 + BT4.1 | 1080p  | None                     | 2.4G / 2.4G      | Orchid Tilt Stand | 90W 88% Adapter | Win10 Pro 64         | 3-year, Onsite | No     | 09/16            |
| 10KE001FUS | US     | i5-6200U  | No   | Intel HD 520 | None          | 8GBx1  | 23.8" FHD (1920x1080) IPS Anti-glare | None        | 256GB SSD          | None         | 8260 ac, 2x2 + BT4.1 | 1080p  | None                     | 2.4G / 2.4G      | Orchid Tilt Stand | 90W 88% Adapter | Win10 Pro 64         | 3-year, Onsite | No     | 09/16            |
| 10KE001GUS | US     | i5-6200U  | No   | Intel HD 520 | None          | 4GBx1  | 23.8" FHD (1920x1080) IPS Anti-glare | None        | 500GB 7200rpm 2.5" | None         | 8260 ac, 2x2 + BT4.1 | 1080p  | None                     | 2.4G / 2.4G      | Orchid Tilt Stand | 90W 88% Adapter | Win10 Pro 64         | 3-year, Onsite | No     | 09/16            |
| 10KE001HUS | US     | i5-6200U  | No   | Intel HD 520 | None          | 4GBx1  | 23.8" FHD (1920x1080) IPS Anti-glare | None        | 500GB 7200rpm 2.5" | None         | 8260 ac, 2x2 + BT4.1 | 1080p  | None                     | 2.4G / 2.4G      | Orchid Tilt Stand | 90W 88% Adapter | Win10 DG Win7 Pro 64 | 3-year, Onsite | No     | 09/16            |
| 10KE001JUS | US     | i5-6200U  | No   | Intel HD 520 | None          | 4GBx1  | 23.8" FHD (1920x1080) IPS Anti-glare | None        | 128GB SSD          | None         | 8260 ac, 2x2 + BT4.1 | 1080p  | None                     | 2.4G / 2.4G      | Orchid Tilt Stand | 90W 88% Adapter | Win10 DG Win7 Pro 64 | 3-year, Onsite | No     | 09/16            |
| 10KE001LUS | US     | i5-6200U  | No   | Intel HD 520 | None          | 8GBx1  | 23.8" FHD (1920x1080) IPS Anti-glare | None        | 256GB SSD Opal     | 9-in-1       | 8260 ac, 2x2 + BT4.1 | 1080p  | None                     | 2.4G / 2.4G      | Orchid Tilt Stand | 90W 88% Adapter | Win10 DG Win7 Pro 64 | 3-year, Onsite | No     | 12/16            |
| 10KE001MUS | US     | i5-6200U  | No   | Intel HD 520 | None          | 8GBx1  | 23.8" FHD (1920x1080) IPS Anti-glare | None        | 256GB SSD Opal     | None         | 8260 ac, 2x2 + BT4.1 | 1080p  | None                     | 2.4G / 2.4G      | Orchid Tilt Stand | 90W 88% Adapter | Win10 Pro 64         | 3-year, Onsite | No     | 12/16            |
| 10KE001NUS | US     | i5-6200U  | No   | Intel HD 520 | None          | 8GBx1  | 23.8" FHD (1920x1080) IPS Anti-glare | None        | 256GB SSD Opal     | None         | 8260 ac, 2x2 + BT4.1 | 1080p  | None                     | USB (Slim) / USB | Orchid Tilt Stand | 90W 88% Adapter | Win10 Pro 64         | 3-year, Onsite | No     | 12/16            |



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**Carry-in or Mail-in Service:** Parts and labor repair coverage where the customer is responsible for shipping (including packaging) or delivery to authorized warranty provider or repair center.

**Depot or Courier Service:** Parts and labor repair coverage where shipping (including packaging) or delivery to the repair center is paid for by Lenovo.

**Expedited Depot:** Parts and labor coverage with expedited turnaround. Shipping (including packaging) or delivery to the repair center is paid for by Lenovo.

**Onsite / In-home Service:** Parts and labor repair coverage where labor is provided onsite at your place of business.

If Lenovo determines your product problem is covered by the product warranty and cannot be resolved over the telephone, a technician will be dispatched to arrive onsite, typically the next day.

**International Warranty Service (IWS):** PC repair coverage for customers who require a critical warranty repair while travelling internationally. Visit [www.lenovo.com/internationalwarranty](http://www.lenovo.com/internationalwarranty) for details. Visit [www.lenovo.com/warranty](http://www.lenovo.com/warranty) for Lenovo Warranty Services terms and conditions for complete details and restrictions.

**Included software:** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

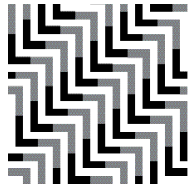
**Battery life:** Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

Visit <http://psref.lenovo.com/> for the latest version of Product Specifications Reference.

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**Lenovo** ThinkStation.

# PSREF



**Product Specifications Reference**

Version 512, September 2017

**U.S.**

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# Summary of Changes

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This section describes the changes made in this version of ThinkStation PSREF and in previous version. This edition might also include minor corrections and editorial changes which are not identified.

## **September 12, 2017 - Version 512**

- ▶ New ThinkStation P320 Tower and P320 SFF models announced on August 2017

## **August 23, 2017 - Version 511**

- ▶ New ThinkStation P320 Tiny models announced on August 2017

## **August 2, 2017 - Version 510**

- ▶ New ThinkStation P320 Tiny/P320 Tower/ P320 SFF/P410/P510 models announced on July 2017

## **June 21, 2017 - Version 508**

- ▶ New ThinkStation P320 Tiny announced on June 2017

## **May 26, 2017 - Version 507**

- ▶ Add ThinkStation P410/P510/P710/P910 Refresh 3.0 Wave 1 models and update platform specifications

## **April 19, 2017 - Version 505**

- ▶ New ThinkStation P320 Tower announced on April 2017
- ▶ New ThinkStation P320 SFF announced on April 2017

## **March 29, 2017 - Version 504**

- ▶ Added ThinkStation P310 Tower and SFF models announced on March 2017
- ▶ Added ThinkStation P410 models announced on March 2017

## **January 25, 2017 - Version 501**

- ▶ Update quantity of PCIe SSD adapter in ThinkStation P510/P910

## **January 4, 2017 - Version 500**

- ▶ Added ThinkStation P310 models announced on December 2016

## **December 14, 2016 - Version 499**

- ▶ Added ThinkStation P410/P510/P710/P910 EMEA models
- ▶ Added 1TB M.2 PCIe SSD, Quadro P5000, Quadro P6000 support on ThinkStation P510/P710/P910
- ▶ Added Quadro P5000 support on ThinkStation P410
- ▶ Added 6TB 7.2K SATA6Gbs HDD support on ThinkStation P410/P510/P710/P910
- ▶ Added ThinkStation P410/P510/P710/P910 models announced on December 2016

## **November 23, 2016 - Version 498**

- ▶ Removed ThinkStation P500/P900 due to EOL
- ▶ Added ThinkStation P310 Tower and SFF models announced on November 2016

## **October 12, 2016 - Version 496**

- ▶ Removed flash option on ThinkStation P510/P710/P910
- ▶ Added ThinkStation P310/P410/P510/P710/P910 models announced on September 2016

## **August 3, 2016 - Version 493**

- ▶ Removed ThinkStation P500/P700/P900 Windows 7 DG from Win8.1 U.S. models
- ▶ Added keyboard and mouse features on all ThinkStation

### **July 13, 2016 - Version 492**

- ▶ Added ThinkStation P500, P700, and P900 Windows 10 downgrade to Windows 7 models
- ▶ Updated Maximum configuration weight of ThinkStation P410
- ▶ Added ThinkStation P710 and P910 models announced on on July 2016
- ▶ Added "Maximum drives in 3.5" bay" feature on ThinkStation P500/P510/P700/P710/P900/P910

### **June 22, 2016 - Version 491**

- ▶ Added new product ThinkStation P410/P510
- ▶ Added NVIDIA Quadro M2000 on ThinkStation P310 Tower
- ▶ Added keyboard and mouse information on ThinkStation P710/P910
- ▶ Added internal USB information on ThinkStation P710/P910

### **June 2, 2016 - Version 490**

- ▶ Added ThinkStation P710/P910 US models
- ▶ Updated ThinkStation P710/P910 processor information

### **May 19, 2016 - Version 489**

- ▶ Added NVIDIA Quadro M2000 on compatible product
- ▶ Updated maximum weight on ThinkStation P710
- ▶ Removed 30AT000BUS

### **April 27, 2016 - Version 488**

- ▶ Added ThinkStation P710 and P910 models for EMEA, announced on April 2016
- ▶ Updated Energy star information on ThinkStation P500/P700/P710/P900/P910

### **April 6, 2016 - Version 487**

- ▶ New ThinkStation P710 and P910, announced April 5, 2016 (specification only)

### **March 23, 2016 - Version 486**

- ▶ Added processors specifications for P310/P500/P700/P900

### **February 24, 2016 - Version 485**

- ▶ Added ThinkStation P310 and P700 models for US, announced on February 2016
- ▶ Added ThinkStation P700 and P900 models for EMEA, announced on February 2016

### **December 9, 2015 - Version 482**

- ▶ New ThinkStation P310 Tower and SFF, announced November 24, 2015

### **November 18, 2015 - Version 481**

- ▶ Combines ThinkStation PSREF United States version and Western Europe version.
- ▶ Extends the supported GEO into Europe, Middle East and Africa.
- ▶ Covers all TopSeller and Relationship models for US and all focus models for EMEA

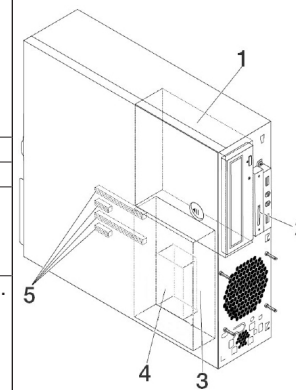


# ThinkStation P310 SFF Platform Specifications

Product Specifications Reference (PSREF)

| Components                     | Specification   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|--------------------------------|---|---|---|----------------------|---|--------------|---|----|-----|-------|------|---------|----|-----|-------|-----------------|---------|-----|-----|-------|-----------|-------------|-----|-----|-----|-----------------|-------------|-----|-----|-----|-----------------|--------------|-----|-----|-----|----------|
| Chipset                        | Intel C236 Chipset  |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Intel AMT                      | Intel Active Management Technology 11 supported on Xeon models  |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Processor                      | One LGA1151 socket, supports one the following processors:  |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | Xeon E3-1280 v5   | 4C/3.7GHz/8MB/80W/DDR4-2133                     |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | Xeon E3-1275 v5   | 4C/3.6GHz/8MB/80W/DDR4-2133                     |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | Xeon E3-1270 v5   | 4C/3.6GHz/8MB/80W/DDR4-2133                     |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | Xeon E3-1245 v5   | 4C/3.5GHz/8MB/80W/DDR4-2133                     |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | Xeon E3-1240 v5   | 4C/3.5GHz/8MB/80W/DDR4-2133                     |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | Xeon E3-1230 v5   | 4C/3.4GHz/8MB/80W/DDR4-2133                     |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | Xeon E3-1225 v5   | 4C/3.3GHz/8MB/80W/DDR4-2133                     |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | Xeon E3-1220 v5   | 4C/3GHz/8MB/80W/DDR4-2133                       |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | Core i7-6700  | 4C/3.4GHz/8MB/65W/DDR4-2133                     |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | Core i5-6600  | 4C/3.3GHz/6MB/65W/DDR4-2133                     |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | Core i5-6500  | 4C/3.2GHz/6MB/65W/DDR4-2133                     |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | Core i5-6400  | 4C/2.7GHz/6MB/65W/DDR4-2133                     |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | Core i3-6320  | 2C/3.9GHz/4MB/51W/DDR4-2133                     |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Core i3-6300                   | 2C/3.8GHz/4MB/51W/DDR4-2133   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Core i3-6100                   | 2C/3.7GHz/3MB/51W/DDR4-2133   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Memory DIMM slots              | 4 DIMM slots, 2-channel (integrated memory controller in processor)   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Memory type/capacity           | Up to 64GB ECC/non-ECC (4 x 16GB), DDR4-2133, UDIMM   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Intel HD Graphics in processor | Integrated Intel HD P530 in Xeon E3-12x5 v5 processors; or Intel HD 530 in Core i7, i5, or i3 processors. Works along with discrete graphics to support multi-display, enables three display connectors (2 DP, 1 VGA) on rear. Max Resolution: 4096 x 2304  |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Discrete graphics              | Two PCI Express 3.0 x16 slots for graphics adapters. Up to two Quadro K1200. Supports the following NVIDIA graphics adapters:   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | <table border="1"> <thead> <tr> <th>Adapter</th> <th>Cores</th> <th>Memory</th> <th>Power</th> <th>Connector</th> </tr> </thead> <tbody> <tr> <td>NVS 310</td> <td>48</td> <td>1GB</td> <td>19.5W</td> <td>2xDP</td> </tr> <tr> <td>NVS 315</td> <td>48</td> <td>1GB</td> <td>19.5W</td> <td>2xDVI-I SL/2xDP</td> </tr> <tr> <td>NVS 510</td> <td>192</td> <td>2GB</td> <td>33.4W</td> <td>4xmini DP</td> </tr> <tr> <td>Quadro K420</td> <td>192</td> <td>2GB</td> <td>41W</td> <td>1xDVI-I DL+1xDP</td> </tr> <tr> <td>Quadro K620</td> <td>384</td> <td>2GB</td> <td>45W</td> <td>1xDVI-I DL+1xDP</td> </tr> <tr> <td>Quadro K1200</td> <td>512</td> <td>4GB</td> <td>45W</td> <td>4xminiDP</td> </tr> </tbody> </table> | Adapter   | Cores   | Memory               | Power   | Connector    | NVS 310                                     | 48 | 1GB | 19.5W | 2xDP | NVS 315 | 48 | 1GB | 19.5W | 2xDVI-I SL/2xDP | NVS 510 | 192 | 2GB | 33.4W | 4xmini DP | Quadro K420 | 192 | 2GB | 41W | 1xDVI-I DL+1xDP | Quadro K620 | 384 | 2GB | 45W | 1xDVI-I DL+1xDP | Quadro K1200 | 512 | 4GB | 45W | 4xminiDP |
|                                | Adapter   | Cores   | Memory  | Power                | Connector                                     |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | NVS 310   | 48  | 1GB   | 19.5W                | 2xDP  |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | NVS 315   | 48  | 1GB   | 19.5W                | 2xDVI-I SL/2xDP                               |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | NVS 510   | 192   | 2GB   | 33.4W                | 4xmini DP                                     |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | Quadro K420   | 192   | 2GB   | 41W                  | 1xDVI-I DL+1xDP                               |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Quadro K620                    | 384   | 2GB   | 45W   | 1xDVI-I DL+1xDP      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Quadro K1200                   | 512   | 4GB   | 45W   | 4xminiDP             |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                |   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                |   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                |   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                |   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Onboard drive controller       | Five onboard SATA 6.0Gb/s connectors for optical and disk drives plus one SATA connector for optional eSATA. RAID 0, 1, 5* support<br>* RAID 5 supports three 2.5" SSD drives only.   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Drive Bays                     | One external 5.25" bay, one internal 3.5" bay (see right).<br>Up to one 9.5mm optical + 2 x 3.5" disk drive bays + 1 x 2.5" disk drive bay + one M.2 NVMe SSD   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Supporting disk drives         | <table border="1"> <tbody> <tr> <td>3.5" SATA HDD (7.2K 6Gbs)</td> <td>500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid</td> </tr> <tr> <td>2.5" SATA SSD (6Gbs)</td> <td>128GB/180GB*/240GB*/256GB*/480GB*/512GB*/1TB*</td> </tr> <tr> <td>M.2 NVMe SSD</td> <td>256GB*/512GB*/1TB*, via PCIe 3.0 x4 adapter</td> </tr> </tbody> </table>   | 3.5" SATA HDD (7.2K 6Gbs)                       | 500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid | 2.5" SATA SSD (6Gbs) | 128GB/180GB*/240GB*/256GB*/480GB*/512GB*/1TB* | M.2 NVMe SSD | 256GB*/512GB*/1TB*, via PCIe 3.0 x4 adapter |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | 3.5" SATA HDD (7.2K 6Gbs)   | 500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | 2.5" SATA SSD (6Gbs)  | 128GB/180GB*/240GB*/256GB*/480GB*/512GB*/1TB*   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| M.2 NVMe SSD                   | 256GB*/512GB*/1TB*, via PCIe 3.0 x4 adapter   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                | ** Includes OPAL options  |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
|                                |   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Max internal storage           | 9TB (2 x 4TB 3.5" HDDs + 1 x 1TB 2.5" SSD) plus one 512GB M.2 NVMe SSD  |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Media reader                   | 9-in-1 card reader. Optional 29-in-1 card reader on selected models   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Power supply                   | 210 watts with variable speed fan, autosensing, 85% PSU, Climate Savers Computing Bronze, 80 PLUS Bronze qualified  |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Onboard Ethernet               | One onboard gigabit ethernet, Intel I219LM, supports Wake-on-LAN  |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| HD Audio                       | Realtek ALC662 codec  |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| TPM                            | Standard, TCG 1.2-compliant   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Front ports                    | Two USB 3.0, microphone (3.5mm), headphone (3.5mm)  |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Rear ports                     | 1 VGA and 2 DisplayPort (functional only on Intel HD Graphics models), two USB 2.0, four USB 3.0 (blue), one serial (9-pin), one ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in)   |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |
| Additional ports               | Supports the following optional ports:<br>• Two IEEE 1394 (one on rear and one on front flex module) via PCIe adapter, up to one adapter per system.<br>Supports one of the following per system:<br>• Two rear USB 3.0 per PCIe adapter.<br>• One front eSATA (on flex module), or one rear eSATA via cable and PCIe slot bracket, up to one eSATA port per system.<br>• One additional serial port via cable.<br>• One parallel port via cable  |   |   |                      |   |              |   |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |

| Components       | Specification   |
|------------------|---|
| Mechanical       | <ul style="list-style-type: none"> <li>Raven black color; metal case</li> <li>4.02"W x 15.53"D x 13.31"H</li> <li>102mm W x 394.5mm D x 338mm H</li> <li>17.2 lb (7.9kg) max configuration</li> <li>12.9-liter</li> </ul> |
|                  | Environmental certifications  |
| Limited warranty | 1 or 3-year limited onsite service with 9x5/NBD. Some parts are Customer Replaceable Units.   |



## Drive Bays and PCIe Slots

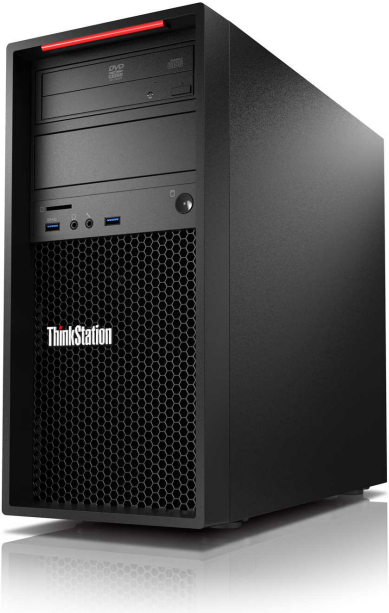
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|-----------|---|
| Bay 1     | 5.25", supports one of the following:<br>HH optical/flex module***/9.5mm optical+3.5" HDD bay/<br>3.5" HDD bay/Front Access Storage Enclosure<br>*** Flex module supports one or more of the following: 9.5mm optical/<br>29-in-1 reader/front IEEE 1394/front eSATA.<br>Up to one flex module is supported per system. |
| Bay 2     | Optional 9-in-1 single slot reader  |
| Bay 3     | Standard 3.5" HDD bay   |
| Bay 4     | Optional 2.5" HDD bay (under Bay 3)   |
| 5 - Slots | Four PCIe slots (top-down):<br>Slot 1: Low Profile, PCIe 3.0 x16 (near CPU)<br>Slot 2: Low Profile, PCIe 3.0 x1<br>Slot 3: Low Profile, PCIe 3.0 x16 (x4 elec)<br>Slot 4: Low Profile, PCIe 3.0 x1  |

For the list of ISV certifications, please visit [www.thinkworkstations.com/isv-certifications/](http://www.thinkworkstations.com/isv-certifications/)  
For a list of all supported options, please visit [https://download.lenovo.com/pccbbs/options\\_iso/ocm\\_december\\_2016.xlsx](https://download.lenovo.com/pccbbs/options_iso/ocm_december_2016.xlsx) sheet

| Model      | Region | Processor                                   | Graphics                              | Memory                        | Disks                           | M.2 Drives | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Chassis Intrusion Switch | Keyboard / Mouse | Operating System     | Warranty | Global | Ann Date (mm/yy) |
|------------|--------|---|---------------------------------------|-------------------------------|---------------------------------|------------|-----------|--------------|--------------|--------------|-------------------|--------------------------|------------------|----------------------|----------|--------|------------------|
| 30AV0007US | US     | Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133    | Intel HD 530                          | 1x4GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AV0008US | US     | Core i3-6100 2C/3.7GHz/3MB/51W/DDR4-2133    | Intel HD 530                          | 1x4GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AV0009US | US     | Core i3-6100 2C/3.7GHz/3MB/51W/DDR4-2133    | Intel HD 530                          | 1x4GB UDIMM DDR4-2133 Non-ECC | 1x500GB HDD 7.2K 3.5" SATA6Gbps | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AV000AUS | US     | Core i5-6600 4C/3.3GHz/6MB/65W/DDR4-2133    | Intel HD 530                          | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AV000BUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530                          | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AV000CUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530                          | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AV000DUS | US     | Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | Intel HD P530                         | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AV000EUS | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro K620 2GB                | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AV000VUS | US     | Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133    | Intel HD 530 + NVIDIA Quadro K620 2GB | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 02/16            |
| 30AV000WUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530 + NVIDIA Quadro K620 2GB | 2x8GB UDIMM DDR4-2133 Non-ECC | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 02/16            |
| 30AV000XUS | US     | Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro K1200 4GB               | 4x8GB UDIMM DDR4-2133 Non-ECC | 1x512GB SSD 2.5" SATA6Gbps      | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 02/16            |
| 30AV0012US | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530 + NVIDIA Quadro K620 2GB | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 Pro 64         | 3-year   | No     | 07/16            |
| 30AV001TUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530                          | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 Pro 64         | 3-year   | No     | 07/16            |
| 30AV001UUS | US     | Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133    | Intel HD 530                          | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 Pro 64         | 3-year   | No     | 07/16            |



| Model      | Region | Processor                                      | Graphics                              | Memory                        | Disks                           | M.2 Drives | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Chassis Intrusion Switch | Keyboard / Mouse | Operating System     | Warranty | Global | Ann Date (mm/yy) |
|------------|--------|--|---------------------------------------|-------------------------------|---------------------------------|------------|-----------|--------------|--------------|--------------|-------------------|--------------------------|------------------|----------------------|----------|--------|------------------|
| 30AV001VUS | US     | Xeon E3-1240 v5<br>4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro K1200 4GB               | 1x8GB UDIMM DDR4-2133 ECC     | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 Pro 64         | 3-year   | No     | 07/16            |
| 30AV001WUS | US     | Xeon E3-1240 v5<br>4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro K620 2GB                | 1x8GB UDIMM DDR4-2133 ECC     | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 Pro 64         | 3-year   | No     | 07/16            |
| 30AV001XUS | US     | Xeon E3-1245 v5<br>4C/3.5GHz/8MB/80W/DDR4-2133 | Intel HD P530                         | 1x8GB UDIMM DDR4-2133 ECC     | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 Pro 64         | 3-year   | No     | 07/16            |
| 30AV001YUS | US     | Core i3-6100 2C/3.7GHz/3MB/51W/DDR4-2133       | Intel HD 530                          | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 Pro 64         | 3-year   | No     | 07/16            |
| 30AV0020US | US     | Xeon E3-1245 v5<br>4C/3.5GHz/8MB/80W/DDR4-2133 | Intel HD P530                         | 1x8GB UDIMM DDR4-2133 ECC     | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 Pro 64         | 3-year   | No     | 07/16            |
| 30AV0021US | US     | Xeon E3-1220 v5<br>4C/3.0GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro K620 2GB                | 1x8GB UDIMM DDR4-2133 ECC     | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 Pro 64         | 3-year   | No     | 07/16            |
| 30AV0022US | US     | Xeon E3-1240 v5<br>4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro K1200 4GB               | 1x8GB UDIMM DDR4-2133 ECC     | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 Pro 64         | 3-year   | No     | 07/16            |
| 30AV0023US | US     | Xeon E3-1240 v5<br>4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro K620 2GB                | 1x8GB UDIMM DDR4-2133 ECC     | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 Pro 64         | 3-year   | No     | 07/16            |
| 30AV002DUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133       | Intel HD 530 + NVIDIA Quadro K620 2GB | 2x8GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 12/16            |
| 30AV002EUS | US     | Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133       | Intel HD 530 + NVIDIA Quadro K620 2GB | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 210W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 12/16            |

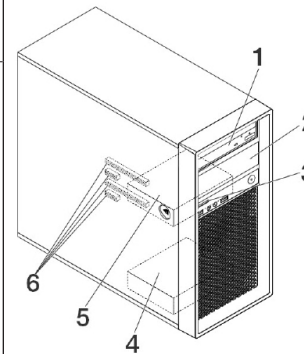


# ThinkStation P310 Tower Platform Specifications

Product Specifications Reference (PSREF)

| Components                     | Specification  |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|--------------------------------|--|---|--------|--------|-----------------|-----------|---------|----|-----|-------|------|---------|----|-----|-------|-----------------|---------|-----|-----|-------|-----------|-------------|-----|-----|-----|-----------------|-------------|-----|-----|-----|-----------------|--------------|-----|-----|-----|----------|--------------|-----|-----|-----|-----------------|--------------|-----|-----|-----|------|--------------|------|-----|------|------|
| Chipset                        | Intel C236 Chipset   |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Intel AMT                      | Intel Active Management Technology 11 supported on Xeon models   |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Processor                      | One LGA1151 socket, supports one the following processors:   |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Xeon E3-1280 v5  | 4C/3.7GHz/8MB/80W/DDR4-2133                     |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Xeon E3-1275 v5  | 4C/3.6GHz/8MB/80W/DDR4-2133                     |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Xeon E3-1270 v5  | 4C/3.6GHz/8MB/80W/DDR4-2133                     |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Xeon E3-1245 v5  | 4C/3.5GHz/8MB/80W/DDR4-2133                     |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Xeon E3-1240 v5  | 4C/3.5GHz/8MB/80W/DDR4-2133                     |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Xeon E3-1230 v5  | 4C/3.4GHz/8MB/80W/DDR4-2133                     |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Xeon E3-1225 v5  | 4C/3.3GHz/8MB/80W/DDR4-2133                     |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Xeon E3-1220 v5  | 4C/3GHz/8MB/80W/DDR4-2133                       |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Core i7-6700   | 4C/3.4GHz/8MB/65W/DDR4-2133                     |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Core i5-6600   | 4C/3.3GHz/6MB/65W/DDR4-2133                     |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Core i5-6500   | 4C/3.2GHz/6MB/65W/DDR4-2133                     |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Core i5-6400   | 4C/2.7GHz/6MB/65W/DDR4-2133                     |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Core i3-6320   | 2C/3.9GHz/4MB/51W/DDR4-2133                     |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Core i3-6300                   | 2C/3.8GHz/4MB/51W/DDR4-2133  |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Core i3-6100                   | 2C/3.7GHz/3MB/51W/DDR4-2133  |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Memory DIMM slots              | 4 DIMM slots, 2-channel (integrated memory controller in processor)  |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Memory type/capacity           | Up to 64GB ECC/non-ECC (4 x 16GB), DDR4-2133, UDIMM  |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Intel HD Graphics in processor | Integrated Intel HD P530 in Xeon E3-12x5 v5 processors; or Intel HD 530 in Core i7, i5, or i3 processors. Works along with discrete graphics to support multi-display, enables three display connectors (2 DP, 1 VGA) on rear. Max resolution: 4096 x 2304   |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Discrete graphics              | Two PCI Express 3.0 x16 slots for graphics adapters. Up to two Quadro K1200 on 250 watts models. Or up to two Quadro K2200, or up to one Quadro M4000 on 400 watts models. Supports the following NVIDIA graphics adapters:  |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | <table border="1"> <thead> <tr> <th>Adapter</th> <th>Cores</th> <th>Memory</th> <th>Power</th> <th>Connector</th> </tr> </thead> <tbody> <tr> <td>NVS 310</td> <td>48</td> <td>1GB</td> <td>19.5W</td> <td>2xDP</td> </tr> <tr> <td>NVS 315</td> <td>48</td> <td>1GB</td> <td>19.5W</td> <td>2xDVI-I SL/2xDP</td> </tr> <tr> <td>NVS 510</td> <td>192</td> <td>2GB</td> <td>33.4W</td> <td>4xmini DP</td> </tr> <tr> <td>Quadro K420</td> <td>192</td> <td>2GB</td> <td>41W</td> <td>1xDVI-I DL+1xDP</td> </tr> <tr> <td>Quadro K620</td> <td>384</td> <td>2GB</td> <td>45W</td> <td>1xDVI-I DL+1xDP</td> </tr> <tr> <td>Quadro K1200</td> <td>512</td> <td>4GB</td> <td>45W</td> <td>4xminiDP</td> </tr> <tr> <td>Quadro K2200</td> <td>640</td> <td>4GB</td> <td>68W</td> <td>1xDVI-I DL+2xDP</td> </tr> <tr> <td>Quadro M2000</td> <td>768</td> <td>4GB</td> <td>75W</td> <td>4xDP</td> </tr> <tr> <td>Quadro M4000</td> <td>1664</td> <td>8GB</td> <td>120W</td> <td>4xDP</td> </tr> </tbody> </table> | Adapter   | Cores  | Memory | Power           | Connector | NVS 310 | 48 | 1GB | 19.5W | 2xDP | NVS 315 | 48 | 1GB | 19.5W | 2xDVI-I SL/2xDP | NVS 510 | 192 | 2GB | 33.4W | 4xmini DP | Quadro K420 | 192 | 2GB | 41W | 1xDVI-I DL+1xDP | Quadro K620 | 384 | 2GB | 45W | 1xDVI-I DL+1xDP | Quadro K1200 | 512 | 4GB | 45W | 4xminiDP | Quadro K2200 | 640 | 4GB | 68W | 1xDVI-I DL+2xDP | Quadro M2000 | 768 | 4GB | 75W | 4xDP | Quadro M4000 | 1664 | 8GB | 120W | 4xDP |
|                                | Adapter  | Cores   | Memory | Power  | Connector       |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | NVS 310  | 48  | 1GB    | 19.5W  | 2xDP            |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | NVS 315  | 48  | 1GB    | 19.5W  | 2xDVI-I SL/2xDP |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | NVS 510  | 192   | 2GB    | 33.4W  | 4xmini DP       |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Quadro K420  | 192   | 2GB    | 41W    | 1xDVI-I DL+1xDP |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Quadro K620  | 384   | 2GB    | 45W    | 1xDVI-I DL+1xDP |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Quadro K1200   | 512   | 4GB    | 45W    | 4xminiDP        |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | Quadro K2200   | 640   | 4GB    | 68W    | 1xDVI-I DL+2xDP |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Quadro M2000                   | 768  | 4GB   | 75W    | 4xDP   |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Quadro M4000                   | 1664   | 8GB   | 120W   | 4xDP   |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Onboard drive controller       | Five onboard SATA 6.0Gb/s connectors for optical and disk drives plus one SATA connector for optional eSATA. RAID 0, 1, 5, 10 support  |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Drive Bays                     | Two external 5.25" bays, two internal 3.5" bays (see right). Up to one 9.5mm optical plus 4 x 3.5" disk drive bays plus one M.2 NVMe SSD   |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Supporting disk drives         | 3.5" SATA HDD (7.2K 6Gbs)  | 500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | 2.5" SATA SSD (6Gbs)   | 128GB/180GB*/240GB*/256GB*/480GB*/512GB*/1TB*   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | M.2 NVMe SSD   | 256GB*/512GB*/1TB*, via PCIe 3.0 x4 adapter     |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
|                                | ** Includes OPAL options   |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Max internal storage           | 16TB (4 x 4TB 3.5" HDDs) plus 512GB M.2 NVMe SSD   |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Media reader                   | 9-in-1 card reader. Optional 29-in-1 card reader on selected models  |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Power supply                   | Supports one of the following: <ul style="list-style-type: none"> <li>250 watts with variable speed fan, autosensing, 85% PSU, Climate Savers Computing Bronze, 80 PLUS Bronze qualified</li> <li>400 watts with variable speed fan, autosensing, 92% PSU, Climate Savers Computing Platinum, 80 PLUS Platinum qualified</li> </ul>  |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Onboard Ethernet               | One onboard gigabit ethernet, Intel I219LM, supports Wake-on-LAN   |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| HD Audio                       | Realtek ALC662 codec   |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| TPM                            | Standard, TCG 1.2-compliant  |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Front ports                    | Two USB 3.0, microphone (3.5mm), headphone (3.5mm)   |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |
| Rear ports                     | 1 VGA and 2 DisplayPort (for Intel HD Graphics models only), two USB 2.0, four USB 3.0 (blue), one serial (9-pin), one ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in)  |   |        |        |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |                 |             |     |     |     |                 |              |     |     |     |          |              |     |     |     |                 |              |     |     |     |      |              |      |     |      |      |

| Components                   | Specification   |
|------------------------------|---|
| Additional ports             | Supports the following optional ports: <ul style="list-style-type: none"> <li>Two IEEE 1394 (one on rear and one on front flex module) via PCIe adapter, up to one adapter per system.</li> </ul> Supports one of the following per system: <ul style="list-style-type: none"> <li>Two rear USB 3.0 per PCIe adapter.</li> <li>One rear Thunderbolt via PCIe adapter.</li> <li>One front eSATA (on flex module), or one rear eSATA via cable and PCIe slot bracket, up to one eSATA port per system.</li> <li>One additional serial port via cable.</li> <li>One parallel port via cable</li> </ul> |
|                              | Mechanical  |
| Environmental certifications | GREENGUARD certified/RoHS-compliant/EPEAT Gold rating/ENERGY STAR 6.1 qualified   |
| Limited warranty             | 3-year limited onsite service with 9x5/NBD. Some parts are Customer Replaceable Units.  |



## Drive Bays and PCIe Slots

|                 |   |
|-----------------|---|
| Bay 1 and Bay 2 | 5.25", support one of the following:<br>HH optical/flex module**/9.5mm optical+3.5" HDD bay/<br>3.5" HDD bay/Front Access Storage Enclosure<br>** Flex module supports one or more of the following: 9.5mm optical/<br>29-in-1 reader/front IEEE 1394/front eSATA<br>Up to one flex module is supported per system. |
| Bay 3           | Optional 9-in-1 single slot reader  |
| Bay 4           | Standard 3.5" HDD bay   |
| Bay 5           | Standard 3.5" HDD bay   |
| 6 -Slots        | Four PCIe slots (top-down):<br>Slot 1: Half length, full height, PCIe 3.0 x16 (near CPU)<br>Slot 2: Half length, full height, PCIe 3.0 x1<br>Slot 3: Half length, full height, PCIe 3.0 x16 (x4 elec)<br>Slot 4: Half length, full height, PCIe 3.0 x1  |

For the list of ISV certifications, please visit [www.thinkworkstations.com/isv-certifications/](http://www.thinkworkstations.com/isv-certifications/)  
For a list of all supported options, please visit [https://download.lenovo.com/pccbbs/options\\_iso/ocm\\_december\\_2016.xlsx](https://download.lenovo.com/pccbbs/options_iso/ocm_december_2016.xlsx) sheet

| Model      | Region | Processor                                   | Graphics                               | Memory                        | Disks                           | M.2 Drives                | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Chassis Intrusion Switch | Keyboard / Mouse | Operating System     | Warranty | Global | Ann Date (mm/yy) |
|------------|--------|---|--|-------------------------------|---------------------------------|---------------------------|-----------|--------------|--------------|--------------|-------------------|--------------------------|------------------|----------------------|----------|--------|------------------|
| 30AT000BUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530                           | 1x8GB UDIMM DDR4-2133 ECC     | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AT000CUS | US     | Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | Intel HD P530                          | 1x8GB UDIMM DDR4-2133 ECC     | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AT000EUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530                           | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AT000FUS | US     | Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | Intel HD P530                          | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AT000GUS | US     | Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | Intel HD P530                          | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x256GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AT000HUS | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro K620 2GB                 | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AT000JUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530 + NVIDIA Quadro K620 2GB  | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AT000KUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530 + NVIDIA Quadro K2200 4GB | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AT000LUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530 + NVIDIA Quadro K2200 4GB | 2x8GB UDIMM DDR4-2133 Non-ECC | 1x256GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AT000MUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530                           | 2x8GB UDIMM DDR4-2133 Non-ECC | 1x256GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AT000NUS | US     | Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133    | Intel HD 530                           | 1x8GB UDIMM DDR4-2133 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AT000PUS | US     | Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | Intel HD P530                          | 2x8GB UDIMM DDR4-2133 Non-ECC | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 400W 92%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/15            |
| 30AT005CUS | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro K620 2GB                 | 1x8GB UDIMM DDR4-2133 ECC     | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 Pro 64         | 3-year   | No     | 07/16            |

| Model      | Region | Processor                                      | Graphics                                  | Memory                           | Disks                                 | M.2 Drives                   | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Chassis Intrusion Switch | Keyboard / Mouse | Operating System        | Warranty | Global | Ann Date (mm/yy) |
|------------|--------|--|---|----------------------------------|---------------------------------------|------------------------------|-----------|--------------|--------------|--------------|-------------------|--------------------------|------------------|-------------------------|----------|--------|------------------|
| 30AT005DUS | US     | Xeon E3-1220 v5<br>4C/3.0GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro K620 2GB                    | 1x8GB UDIMM<br>DDR4-2133 ECC     | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps   | None                         | HH DVD±RW | 9-in-1       | 250W<br>85%  | None         | None              | Switch                   | USB / USB        | Win10 Pro 64            | 3-year   | No     | 07/16            |
| 30AT005EUS | US     | Xeon E3-1240 v5<br>4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro M2000 4GB                   | 1x8GB UDIMM<br>DDR4-2133 ECC     | Open                                  | 1x256GB SSD M.2<br>PCIe Opal | HH DVD±RW | 9-in-1       | 250W<br>85%  | None         | None              | Switch                   | USB / USB        | Win10 Pro 64            | 3-year   | No     | 07/16            |
| 30AT005FUS | US     | Xeon E3-1245 v5<br>4C/3.5GHz/8MB/80W/DDR4-2133 | Intel HD P530                             | 1x8GB UDIMM<br>DDR4-2133 ECC     | Open                                  | 1x256GB SSD M.2<br>PCIe Opal | HH DVD±RW | 9-in-1       | 250W<br>85%  | None         | None              | Switch                   | USB / USB        | Win10 Pro 64            | 3-year   | No     | 07/16            |
| 30AT005GUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133       | Intel HD 530 +<br>NVIDIA Quadro K620 2GB  | 1x8GB UDIMM<br>DDR4-2133 Non-ECC | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps   | None                         | HH DVD±RW | 9-in-1       | 250W<br>85%  | None         | None              | Switch                   | USB / USB        | Win10 Pro 64            | 3-year   | No     | 07/16            |
| 30AT005HUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133       | Intel HD 530                              | 1x8GB UDIMM<br>DDR4-2133 Non-ECC | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps   | None                         | HH DVD±RW | 9-in-1       | 400W<br>92%  | None         | None              | Switch                   | USB / USB        | Win10 Pro 64            | 3-year   | No     | 07/16            |
| 30AT005JUS | US     | Xeon E3-1245 v5<br>4C/3.5GHz/8MB/80W/DDR4-2133 | Intel HD P530                             | 1x8GB UDIMM<br>DDR4-2133 ECC     | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps   | None                         | HH DVD±RW | 9-in-1       | 400W<br>92%  | None         | None              | Switch                   | USB / USB        | Win10 Pro 64            | 3-year   | No     | 07/16            |
| 30AT005KUS | US     | Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133       | Intel HD 530 +<br>NVIDIA Quadro K620 2GB  | 1x8GB UDIMM<br>DDR4-2133 Non-ECC | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps   | None                         | HH DVD±RW | 9-in-1       | 250W<br>85%  | None         | None              | Switch                   | USB / USB        | Win10 Pro 64            | 3-year   | No     | 07/16            |
| 30AT005LUS | US     | Core i3-6100 2C/3.7GHz/3MB/51W/DDR4-2133       | Intel HD 530                              | 1x8GB UDIMM<br>DDR4-2133 Non-ECC | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps   | None                         | HH DVD±RW | 9-in-1       | 250W<br>85%  | None         | None              | Switch                   | USB / USB        | Win10 Pro 64            | 3-year   | No     | 07/16            |
| 30AT005MUS | US     | Xeon E3-1245 v5<br>4C/3.5GHz/8MB/80W/DDR4-2133 | Intel HD P530                             | 1x8GB UDIMM<br>DDR4-2133 ECC     | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps   | None                         | HH DVD±RW | 9-in-1       | 250W<br>85%  | None         | None              | Switch                   | USB / USB        | Win10 Pro 64            | 3-year   | No     | 07/16            |
| 30AT005NUS | US     | Xeon E3-1240 v5<br>4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro K620 2GB                    | 1x8GB UDIMM<br>DDR4-2133 ECC     | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps   | None                         | HH DVD±RW | 9-in-1       | 250W<br>85%  | None         | None              | Switch                   | USB / USB        | Win10 Pro 64            | 3-year   | No     | 07/16            |
| 30AT005PUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133       | Intel HD 530 +<br>NVIDIA Quadro M2000 4GB | 1x8GB UDIMM<br>DDR4-2133 Non-ECC | 1x256GB SSD<br>2.5"<br>SATA6Gbps Opal | None                         | HH DVD±RW | 9-in-1       | 250W<br>85%  | None         | None              | Switch                   | USB / USB        | Win10 Pro 64            | 3-year   | No     | 07/16            |
| 30AT006PUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133       | Intel HD 530 +<br>NVIDIA Quadro K1200 4GB | 2x8GB UDIMM<br>DDR4-2133 Non-ECC | 1x512GB SSD<br>2.5"<br>SATA6Gbps      | None                         | HH DVD±RW | 9-in-1       | 250W<br>85%  | None         | None              | Switch                   | USB / USB        | Win10 DG<br>Win7 Pro 64 | 3-year   | No     | 11/16            |
| 30AT006QUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133       | Intel HD 530 +<br>NVIDIA Quadro K620 2GB  | 2x8GB UDIMM<br>DDR4-2133 Non-ECC | Open                                  | 1x512GB SSD M.2<br>PCIe      | HH DVD±RW | 9-in-1       | 250W<br>85%  | None         | None              | Switch                   | USB / USB        | Win10 DG<br>Win7 Pro 64 | 3-year   | No     | 11/16            |

| Model      | Region | Processor                                | Graphics                               | Memory                         | Disks                           | M.2 Drives                | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Chassis Intrusion Switch | Keyboard / Mouse | Operating System     | Warranty | Global | Ann Date (mm/yy) |
|------------|--------|--|--|--------------------------------|---------------------------------|---------------------------|-----------|--------------|--------------|--------------|-------------------|--------------------------|------------------|----------------------|----------|--------|------------------|
| 30AT006RUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133 | Intel HD 530 + NVIDIA Quadro K620 2GB  | 2x8GB UDIMM DDR4-2133 Non-ECC  | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/16            |
| 30AT006SUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133 | Intel HD 530 + NVIDIA NVS 510 2GB      | 2x8GB UDIMM DDR4-2133 Non-ECC  | 1x512GB SSD 2.5" SATA6Gbps      | None                      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/16            |
| 30AT006TUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133 | Intel HD 530 + NVIDIA Quadro K1200 4GB | 2x8GB UDIMM DDR4-2133 Non-ECC  | Open                            | 1x512GB SSD M.2 PCIe      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/16            |
| 30AT006UUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133 | Intel HD 530 + NVIDIA Quadro M2000 4GB | 2x8GB UDIMM DDR4-2133 Non-ECC  | Open                            | 1x512GB SSD M.2 PCIe      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/16            |
| 30AT006VUS | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133 | Intel HD 530 + NVIDIA Quadro M2000 4GB | 1x16GB UDIMM DDR4-2133 Non-ECC | 1x256GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/16            |
| 30ATA023US | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133 | Intel HD 530                           | 2x8GB UDIMM DDR4-2133 Non-ECC  | 1x512GB SSD 2.5" SATA6Gbps      | None                      | HH DVD±RW | 9-in-1       | 250W 85%     | None         | None              | Switch                   | USB / USB        | Win10 DG Win7 Pro 64 | 3-year   | No     | 11/16            |



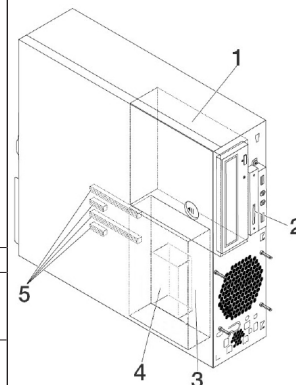


# ThinkStation P320 SFF Platform Specifications

Product Specifications Reference (PSREF)

| Components                     | Specification   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|--------------------------------|---|--|--------|----------|-----------------|-----------|---------|----|-----|-------|------|---------|----|-----|-------|-----------------|---------|-----|-----|-------|-----------|-------------|-----|-----|-----|----------|-------------|-----|-----|-----|----------|--------------|-----|-----|-----|----------|
| Chipset                        | Intel C236 Chipset  |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Intel AMT                      | Intel Active Management Technology 11 on Xeon models, Intel Standard Manageability on other models  |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Processor                      | One Intel "Kabylake" or "Skylake" processor as listed:<br>"Kaby Lake"   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Xeon E3-1280 v6   | 4C/3.9GHz/8MB/72W/DDR4-2400  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Xeon E3-1275 v6   | 4C/3.8GHz/8MB/73W/DDR4-2400  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Xeon E3-1270 v6   | 4C/3.8GHz/8MB/72W/DDR4-2400  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Xeon E3-1245 v6   | 4C/3.7GHz/8MB/73W/DDR4-2400  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Xeon E3-1240 v6   | 4C/3.7GHz/8MB/72W/DDR4-2400  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Xeon E3-1230 v6   | 4C/3.5GHz/8MB/72W/DDR4-2400  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Xeon E3-1225 v6   | 4C/3.3GHz/8MB/73W/DDR4-2400  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Xeon E3-1220 v6   | 4C/3GHz/8MB/72W/DDR4-2400  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Core i7-7700  | 4C/3.6GHz/8MB/65W/DDR4-2400  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Core i5-7600  | 4C/3.5GHz/6MB/65W/DDR4-2400  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Core i5-7500  | 4C/3.4GHz/6MB/65W/DDR4-2400  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Core i5-7400  | 4C/3GHz/6MB/65W/DDR4-2400  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Core i3-7300  | 2C/4GHz/4MB/51W/DDR4-2400  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Core i3-7100  | 2C/3.9GHz/3MB/51W/DDR4-2400  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | "Skylake"   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Xeon E3-1245 v5   | 4C/3.5GHz/8MB/80W/DDR4-2133  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Xeon E3-1240 v5                | 4C/3.5GHz/8MB/80W/DDR4-2133   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Xeon E3-1230 v5                | 4C/3.4GHz/8MB/80W/DDR4-2133   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Xeon E3-1225 v5                | 4C/3.3GHz/8MB/80W/DDR4-2133   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Xeon E3-1220 v5                | 4C/3GHz/8MB/80W/DDR4-2133   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Core i7-6700                   | 4C/3.4GHz/8MB/65W/DDR4-2133   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Core i5-6500                   | 4C/3.2GHz/6MB/65W/DDR4-2133   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Core i5-6400                   | 4C/2.7GHz/6MB/65W/DDR4-2133   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Core i3-6100                   | 2C/3.7GHz/3MB/51W/DDR4-2133   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Memory DIMM slots              | 4 DIMM slots, 2-channel (integrated memory controller in processor)   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Memory type/capacity           | Up to 64GB ECC/non-ECC (4 x 16GB), DDR4-2400. UDIMM. "Skylake" processor supports up to DDR4-2133. Core i7 and i5 processors cannot support ECC.  |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Intel HD Graphics in processor | Integrated Intel HD P530 in Xeon E3-12x5 v5 processors, or Intel HD P630 in Xeon E3-12x5 v6 processors, or Intel HD 530 in Core i7, i5, or i3 6000 processors. or Intel HD 630 in Core i7, i5, or i3 7000 processors. Works along with discrete graphics to support multi-display, enables three display connectors (2 DP, 1 VGA) on rear.  |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Discrete graphics              | Two PCI Express 3.0 x16 slots for graphics adapters. Up to two NVIDIA Quadro P1000. Supports the following NVIDIA graphic adapters:   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | <table border="1"> <thead> <tr> <th>Adapter</th> <th>Cores</th> <th>Memory</th> <th>Power</th> <th>Connector</th> </tr> </thead> <tbody> <tr> <td>NVS 310</td> <td>48</td> <td>1GB</td> <td>19.5W</td> <td>2xDP</td> </tr> <tr> <td>NVS 315</td> <td>48</td> <td>1GB</td> <td>19.5W</td> <td>2xDVI-I SL/2xDP</td> </tr> <tr> <td>NVS 510</td> <td>192</td> <td>2GB</td> <td>33.4W</td> <td>4xmini DP</td> </tr> <tr> <td>Quadro P400</td> <td>256</td> <td>2GB</td> <td>30W</td> <td>3xminiDP</td> </tr> <tr> <td>Quadro P600</td> <td>384</td> <td>2GB</td> <td>40W</td> <td>4xminiDP</td> </tr> <tr> <td>Quadro P1000</td> <td>640</td> <td>4GB</td> <td>47W</td> <td>4xminiDP</td> </tr> </tbody> </table> | Adapter  | Cores  | Memory   | Power           | Connector | NVS 310 | 48 | 1GB | 19.5W | 2xDP | NVS 315 | 48 | 1GB | 19.5W | 2xDVI-I SL/2xDP | NVS 510 | 192 | 2GB | 33.4W | 4xmini DP | Quadro P400 | 256 | 2GB | 30W | 3xminiDP | Quadro P600 | 384 | 2GB | 40W | 4xminiDP | Quadro P1000 | 640 | 4GB | 47W | 4xminiDP |
|                                | Adapter   | Cores  | Memory | Power    | Connector       |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | NVS 310   | 48   | 1GB    | 19.5W    | 2xDP            |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | NVS 315   | 48   | 1GB    | 19.5W    | 2xDVI-I SL/2xDP |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | NVS 510   | 192  | 2GB    | 33.4W    | 4xmini DP       |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Quadro P400   | 256  | 2GB    | 30W      | 3xminiDP        |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | Quadro P600   | 384  | 2GB    | 40W      | 4xminiDP        |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Quadro P1000                   | 640   | 4GB  | 47W    | 4xminiDP |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                |   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                |   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                |   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                |   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                |   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                |   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Onboard drive controller       | Five onboard SATA 6.0Gb/s connectors for optical and disk drives plus one SATA connector for optional eSATA. RAID 0, 1, 5* support<br>* RAID 5 needs three 2.5" SSD drives.   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Drive Bays                     | One external 5.25" bay, one internal 3.5" bay (see right).<br>Up to one 9mm optical + 2 x 3.5" disk drive bays + 1 x 2.5" disk drive bay + two M.2 NVMe SSD   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Supporting disk drives         | 3.5" SATA HDD (7.2K 6Gbs)   | 1TB/2TB/4TB/1TB hybrid/2TB hybrid  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | 2.5" SATA SSD (6Gbs)  | 256GB Opal/512GB/512GB Opal/1TB Opal/2TB opal  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
|                                | M.2 NVMe SSD, via PCIe adapter  | 256GB Opal/512GB Opal/1TB Opal, via PCIe 3.0 x4 adapter, up to 2; or 16GB Intel Optane Memory, PCIe 3.0 x2 |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Max internal storage           | 10TB (2 x 4TB 3.5" HDDs + 1 x 2TB 2.5" SSD) plus two 1TB M.2 NVMe SSD   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Media reader                   | 9-in-1 card reader. Optional 29-in-1 card reader on selected models   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Power supply                   | 210 watts with variable speed fan, autosensing, Climate Savers Computing Bronze, 80 PLUS Bronze qualified   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| Onboard Ethernet               | One onboard gigabit ethernet, Intel I219LM, supports Wake-on-LAN  |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| HD Audio                       | Realtek ALC662 codec  |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |
| TPM                            | Standard, TCG 2.0-compliant   |  |        |          |                 |           |         |    |     |       |      |         |    |     |       |                 |         |     |     |       |           |             |     |     |     |          |             |     |     |     |          |              |     |     |     |          |

| Components                   | Specification   |
|------------------------------|---|
| Front ports                  | Two USB 3.0, microphone (3.5mm), headphone (3.5mm)  |
| Rear ports                   | 1 VGA and 2 DisplayPort (for Intel HD Graphics models only), two USB 2.0, four USB 3.0, one serial (9-pin), one ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in)                                    |
| Mechanical                   | <ul style="list-style-type: none"> <li>Raven black color; metal case</li> <li>4.02"W x 15.53"D x 13.31"H</li> <li>102mm W x 394.5mm D x 338mm H</li> <li>17.2 lb (7.9kg) max configuration</li> <li>12.9-liter</li> </ul> |
| Environmental certifications | GREENGUARD certified/RoHS-compliant/EPEAT Gold rating/ENERGY STAR 6.1 qualified   |
| Limited warranty             | 1 or 3-year limited onsite service with 9x5/NBD. Some parts are Customer Replaceable Units.   |
| ISV certifications           | Please visit <a href="http://www.thinkworkstations.com/isv-certifications/">www.thinkworkstations.com/isv-certifications/</a>   |



### Drive Bays and PCIe Slots

|          |   |
|----------|---|
| Bay 1    | 5.25", supports one of the following:<br>HH optical/flex module***/9mm optical+3.5" HDD bay/<br>3.5" HDD bay/Front Access Storage Enclosure<br>*** Flex module supports one or more of the following: 9mm optical/<br>29-in-1 reader/front IEEE 1394/front eSATA.<br>Up to one flex module is supported per system. |
| Bay 2    | Optional 9-in-1 single slot reader  |
| Bay 3    | Standard 3.5" HDD bay   |
| Bay 4    | Optional 2.5" HDD bay (under Bay 3)   |
| 5 -Slots | Four PCIe slots (top-down):<br>Slot 1: Low Profile, PCIe 3.0 x16 (near CPU)<br>Slot 2: Low Profile, PCIe 3.0 x1<br>Slot 3: Low Profile, PCIe 3.0 x16 (x4 elec)<br>Slot 4: Low Profile, PCIe 3.0 x1  |



| Model      | Product               | Region | Processor                                   | Graphics                               | Memory                        | Disks                         | M.2 Drives                | Optical   | Media Reader | Power Supply      | Add-on Ports | Keyboard / Mouse | Operating System               | Warranty | Global | Ann Date (mm/yy) |
|------------|-----------------------|--------|---|--|-------------------------------|-------------------------------|---------------------------|-----------|--------------|-------------------|--------------|------------------|--------------------------------|----------|--------|------------------|
| 30BK000LUS | ThinkStation P320 SFF | US     | Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133    | Intel HD 530                           | 1x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK000MUS | ThinkStation P320 SFF | US     | Xeon E3-1240 v6 4C/3.7GHz/8MB/72W/DDR4-2400 | NVIDIA Quadro P600 2GB                 | 2x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK000NUS | ThinkStation P320 SFF | US     | Core i7-7700 4C/3.6GHz/8MB/65W/DDR4-2400    | Intel HD 630 + NVIDIA Quadro P600 2GB  | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK000PUS | ThinkStation P320 SFF | US     | Core i5-7500 4C/3.4GHz/6MB/65W/DDR4-2400    | Intel HD 630 + NVIDIA Quadro P400 2GB  | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK000QUS | ThinkStation P320 SFF | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530 + NVIDIA Quadro P1000 4GB | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK000RUS | ThinkStation P320 SFF | US     | Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | Intel HD P530                          | 1x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK000SUS | ThinkStation P320 SFF | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro P600 2GB                 | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK000TUS | ThinkStation P320 SFF | US     | Core i5-7600 4C/3.5GHz/6MB/65W/DDR4-2400    | Intel HD 630                           | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK000UUS | ThinkStation P320 SFF | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530                           | 1x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | PS/2         | USB / PS2        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK000VUS | ThinkStation P320 SFF | US     | Xeon E3-1245 v6 4C/3.7GHz/8MB/73W/DDR4-2400 | Intel HD P630                          | 2x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | PS/2         | USB / PS2        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK000WUS | ThinkStation P320 SFF | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530 + NVIDIA Quadro P1000 4GB | 2x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK000XUS | ThinkStation P320 SFF | US     | Xeon E3-1240 v6 4C/3.7GHz/8MB/72W/DDR4-2400 | NVIDIA Quadro P600 2GB                 | 2x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK000YUS | ThinkStation P320 SFF | US     | Core i7-7700 4C/3.6GHz/8MB/65W/DDR4-2400    | Intel HD 630 + NVIDIA Quadro P1000 4GB | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK0010US | ThinkStation P320 SFF | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro P1000 4GB                | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK0011US | ThinkStation P320 SFF | US     | Core i5-7500 4C/3.4GHz/6MB/65W/DDR4-2400    | Intel HD 630                           | 1x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |

| Model      | Product               | Region | Processor                                   | Graphics                              | Memory                        | Disks                           | M.2 Drives                | Optical   | Media Reader | Power Supply      | Add-on Ports | Keyboard / Mouse | Operating System               | Warranty | Global | Ann Date (mm/yy) |
|------------|-----------------------|--------|---|---------------------------------------|-------------------------------|---------------------------------|---------------------------|-----------|--------------|-------------------|--------------|------------------|--------------------------------|----------|--------|------------------|
| 30BK0012US | ThinkStation P320 SFF | US     | Core i7-7700 4C/3.6GHz/8MB/65W/DDR4-2400    | Intel HD 630                          | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK0013US | ThinkStation P320 SFF | US     | Core i3-6100 2C/3.7GHz/3MB/51W/DDR4-2133    | Intel HD 530 + NVIDIA Quadro P400 2GB | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK0014US | ThinkStation P320 SFF | US     | Xeon E3-1240 v6 4C/3.7GHz/8MB/72W/DDR4-2400 | NVIDIA Quadro P1000 4GB               | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK0015US | ThinkStation P320 SFF | US     | Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133    | Intel HD 530 + NVIDIA Quadro P400 2GB | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x512GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK0016US | ThinkStation P320 SFF | US     | Core i5-7500 4C/3.4GHz/6MB/65W/DDR4-2400    | Intel HD 630 + NVIDIA Quadro P400 2GB | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x512GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK0017US | ThinkStation P320 SFF | US     | Xeon E3-1225 v6 4C/3.3GHz/8MB/73W/DDR4-2400 | Intel HD P630                         | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK0018US | ThinkStation P320 SFF | US     | Core i3-6100 2C/3.7GHz/3MB/51W/DDR4-2133    | Intel HD 530                          | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK0019US | ThinkStation P320 SFF | US     | Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | Intel HD P530                         | 1x8GB UDIMM DDR4-2400 Non-ECC | Open                            | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | PS/2         | USB / PS2        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK001AUS | ThinkStation P320 SFF | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530 + NVIDIA Quadro P600 2GB | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK001BUS | ThinkStation P320 SFF | US     | Core i7-7700 4C/3.6GHz/8MB/65W/DDR4-2400    | Intel HD 630                          | 1x8GB UDIMM DDR4-2400 Non-ECC | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | PS/2         | USB / PS2        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK001CUS | ThinkStation P320 SFF | US     | Core i5-7500 4C/3.4GHz/6MB/65W/DDR4-2400    | Intel HD 630                          | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK001DUS | ThinkStation P320 SFF | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530                          | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK001EUS | ThinkStation P320 SFF | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro P600 2GB                | 2x8GB UDIMM DDR4-2400 Non-ECC | Open                            | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK001FUS | ThinkStation P320 SFF | US     | Core i3-7100 2C/3.9GHz/3MB/51W/DDR4-2400    | Intel HD 630 + NVIDIA Quadro P400 2GB | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK001GUS | ThinkStation P320 SFF | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro P1000 4GB               | 2x8GB UDIMM DDR4-2400 Non-ECC | Open                            | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | PS/2         | USB / PS2        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |

| Model      | Product               | Region | Processor                                   | Graphics                               | Memory                        | Disks                         | M.2 Drives                | Optical   | Media Reader | Power Supply      | Add-on Ports | Keyboard / Mouse | Operating System               | Warranty | Global | Ann Date (mm/yy) |
|------------|-----------------------|--------|---|--|-------------------------------|-------------------------------|---------------------------|-----------|--------------|-------------------|--------------|------------------|--------------------------------|----------|--------|------------------|
| 30BK001HUS | ThinkStation P320 SFF | US     | Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133    | Intel HD 530                           | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK001JUS | ThinkStation P320 SFF | US     | Core i3-7100 2C/3.9GHz/3MB/51W/DDR4-2400    | Intel HD 630                           | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK001KUS | ThinkStation P320 SFF | US     | Xeon E3-1245 v6 4C/3.7GHz/8MB/73W/DDR4-2400 | Intel HD P630                          | 1x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK001LUS | ThinkStation P320 SFF | US     | Core i7-7700 4C/3.6GHz/8MB/65W/DDR4-2400    | Intel HD 630 + NVIDIA Quadro P1000 4GB | 2x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BK001MUS | ThinkStation P320 SFF | US     | Xeon E3-1225 v5 4C/3.3GHz/8MB/80W/DDR4-2133 | Intel HD P530                          | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BK001NUS | ThinkStation P320 SFF | US     | Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133    | Intel HD 530 + NVIDIA Quadro P400 2GB  | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 210W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |



| Model      | Product                | Region | Processor                                 | Graphics                              | Memory                           | Disks | M.2 Drives               | Optical | WLAN + Bluetooth                 | Stand | Cable Lock | Keyboard / Mouse | Operating System               | Warranty | Global | Ann Date (mm/yy) |
|------------|------------------------|--------|---|---------------------------------------|----------------------------------|-------|--------------------------|---------|----------------------------------|-------|------------|------------------|--------------------------------|----------|--------|------------------|
| 30C20014US | ThinkStation P320 Tiny | US     | Core i5-7500T 4C/2.7GHz/6MB/35W/DDR4-2400 | Intel HD 630 + NVIDIA Quadro P600 2GB | 1x16GB SO-DIMM DDR4-2400 Non-ECC | None  | 512GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2, vPro + BT4.1 | Stand | None       | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 06/17            |
| 30C20015US | ThinkStation P320 Tiny | US     | Core i5-6500T 4C/2.5GHz/6MB/35W/DDR4-2133 | Intel HD 530 + NVIDIA Quadro P600 2GB | 1x8GB SO-DIMM DDR4-2400 Non-ECC  | None  | 512GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2, vPro + BT4.1 | Stand | None       | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 06/17            |
| 30C20016US | ThinkStation P320 Tiny | US     | Core i7-6700T 4C/2.8GHz/8MB/35W/DDR4-2133 | Intel HD 530 + NVIDIA Quadro P600 2GB | 1x8GB SO-DIMM DDR4-2400 Non-ECC  | None  | 256GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2, vPro + BT4.1 | Stand | None       | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 06/17            |
| 30C20017US | ThinkStation P320 Tiny | US     | Core i3-7100T 2C/3.4GHz/3MB/35W/DDR4-2400 | Intel HD 630 + NVIDIA Quadro P600 2GB | 1x16GB SO-DIMM DDR4-2400 Non-ECC | None  | 256GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2 + BT4.1       | Stand | None       | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 06/17            |
| 30C20018US | ThinkStation P320 Tiny | US     | Core i5-6500T 4C/2.5GHz/6MB/35W/DDR4-2133 | Intel HD 530 + NVIDIA Quadro P600 2GB | 1x8GB SO-DIMM DDR4-2400 Non-ECC  | None  | 256GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2, vPro + BT4.1 | Stand | None       | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 06/17            |
| 30C20019US | ThinkStation P320 Tiny | US     | Core i3-6100T 2C/3.2GHz/3MB/35W/DDR4-2133 | Intel HD 530 + NVIDIA Quadro P600 2GB | 1x16GB SO-DIMM DDR4-2400 Non-ECC | None  | 512GB M.2 PCIe NVMe Opal | None    | Intel 3165 ac, 1x1 + BT4.0       | Stand | None       | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 06/17            |
| 30C2001AUS | ThinkStation P320 Tiny | US     | Core i3-7100T 2C/3.4GHz/3MB/35W/DDR4-2400 | Intel HD 630 + NVIDIA Quadro P600 2GB | 1x8GB SO-DIMM DDR4-2400 Non-ECC  | None  | 256GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2 + BT4.1       | Stand | None       | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 06/17            |
| 30C2001BUS | ThinkStation P320 Tiny | US     | Core i3-7100T 2C/3.4GHz/3MB/35W/DDR4-2400 | Intel HD 630 + NVIDIA Quadro P600 2GB | 1x16GB SO-DIMM DDR4-2400 Non-ECC | None  | 512GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2 + BT4.1       | Stand | None       | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 06/17            |
| 30C2001CUS | ThinkStation P320 Tiny | US     | Core i7-7700T 4C/2.9GHz/8MB/35W/DDR4-2400 | Intel HD 630 + NVIDIA Quadro P600 2GB | 1x8GB SO-DIMM DDR4-2400 Non-ECC  | None  | 512GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2, vPro + BT4.1 | Stand | None       | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 06/17            |
| 30C2001DUS | ThinkStation P320 Tiny | US     | Core i7-6700T 4C/2.8GHz/8MB/35W/DDR4-2133 | Intel HD 530 + NVIDIA Quadro P600 2GB | 1x16GB SO-DIMM DDR4-2400 Non-ECC | None  | 512GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2, vPro + BT4.1 | Stand | None       | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 06/17            |
| 30C2001EUS | ThinkStation P320 Tiny | US     | Core i7-7700T 4C/2.9GHz/8MB/35W/DDR4-2400 | Intel HD 630 + NVIDIA Quadro P600 2GB | 1x8GB SO-DIMM DDR4-2400 Non-ECC  | None  | 256GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2, vPro + BT4.1 | Stand | None       | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 06/17            |
| 30C2001FUS | ThinkStation P320 Tiny | US     | Core i3-7100T 2C/3.4GHz/3MB/35W/DDR4-2400 | Intel HD 630 + NVIDIA Quadro P600 2GB | 1x4GB SO-DIMM DDR4-2400 Non-ECC  | None  | 256GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2 + BT4.1       | Stand | None       | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 06/17            |

| Model      | Product                | Region | Processor                                 | Graphics                              | Memory                           | Disks | M.2 Drives               | Optical | WLAN + Bluetooth                 | Stand | Cable Lock | Keyboard / Mouse | Operating System               | Warranty | Global | Ann Date (mm/yy) |
|------------|------------------------|--------|---|---------------------------------------|----------------------------------|-------|--------------------------|---------|----------------------------------|-------|------------|------------------|--------------------------------|----------|--------|------------------|
| 30C2001GUS | ThinkStation P320 Tiny | US     | Core i3-6100T 2C/3.2GHz/3MB/35W/DDR4-2133 | Intel HD 530 + NVIDIA Quadro P600 2GB | 1x4GB SO-DIMM DDR4-2400 Non-ECC  | None  | 256GB M.2 PCIe NVMe Opal | None    | Intel 3165 ac, 1x1 + BT4.0       | Stand | None       | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 06/17            |
| 30C2001HUS | ThinkStation P320 Tiny | US     | Core i5-7500T 4C/2.7GHz/6MB/35W/DDR4-2400 | Intel HD 630 + NVIDIA Quadro P600 2GB | 1x8GB SO-DIMM DDR4-2400 Non-ECC  | None  | 512GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2, vPro + BT4.1 | Stand | None       | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 06/17            |
| 30C2001JUS | ThinkStation P320 Tiny | US     | Core i5-6500T 4C/2.5GHz/6MB/35W/DDR4-2133 | Intel HD 530 + NVIDIA Quadro P600 2GB | 1x16GB SO-DIMM DDR4-2400 Non-ECC | None  | 512GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2, vPro + BT4.1 | Stand | None       | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 06/17            |
| 30C2001KUS | ThinkStation P320 Tiny | US     | Core i7-7700T 4C/2.9GHz/8MB/35W/DDR4-2400 | Intel HD 630 + NVIDIA Quadro P600 2GB | 1x16GB SO-DIMM DDR4-2400 Non-ECC | None  | 512GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2, vPro + BT4.1 | Stand | None       | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 06/17            |
| 30C2001LUS | ThinkStation P320 Tiny | US     | Core i5-7500T 4C/2.7GHz/6MB/35W/DDR4-2400 | Intel HD 630 + NVIDIA Quadro P600 2GB | 1x8GB SO-DIMM DDR4-2400 Non-ECC  | None  | 256GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2, vPro + BT4.1 | Stand | None       | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 06/17            |
| 30C2001MUS | ThinkStation P320 Tiny | US     | Core i3-6100T 2C/3.2GHz/3MB/35W/DDR4-2133 | Intel HD 530 + NVIDIA Quadro P600 2GB | 1x16GB SO-DIMM DDR4-2400 Non-ECC | None  | 256GB M.2 PCIe NVMe Opal | None    | Intel 3165 ac, 1x1 + BT4.0       | Stand | None       | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 06/17            |
| 30C2001NUS | ThinkStation P320 Tiny | US     | Core i7-6700T 4C/2.8GHz/8MB/35W/DDR4-2133 | Intel HD 530 + NVIDIA Quadro P600 2GB | 1x8GB SO-DIMM DDR4-2400 Non-ECC  | None  | 512GB M.2 PCIe NVMe Opal | None    | Intel 8265 ac, 2x2, vPro + BT4.1 | Stand | None       | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 06/17            |
| 30C20025US | ThinkStation P320 Tiny | US     | Core i5-7500T 4C/2.7GHz/6MB/35W/DDR4-2400 | Intel HD 630 + NVIDIA Quadro P600 2GB | 1x16GB SO-DIMM DDR4-2400 Non-ECC | None  | 1TB M.2 PCIe NVMe Opal   | None    | Intel 8265 ac, 2x2, vPro + BT4.1 | Stand | None       | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 06/17            |

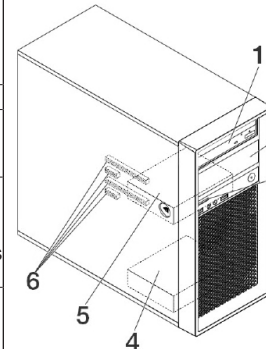


# ThinkStation P320 Tower Platform Specifications

Product Specifications Reference (PSREF)

| Components                     | Specification  |  |       |        |           |                 |
|--------------------------------|--|--|-------|--------|-----------|-----------------|
| Chipset                        | Intel C236 Chipset   |  |       |        |           |                 |
| Intel AMT                      | Intel Active Management Technology 11 on Xeon models, Intel Standard Manageability on other models                                     |  |       |        |           |                 |
| Processor                      | One Intel "Kaby Lake" or "Skylake" processor as listed:<br>"Kaby Lake"   |  |       |        |           |                 |
|                                | Xeon E3-1280 v6  | 4C/3.9GHz/8MB/72W/DDR4-2400  |       |        |           |                 |
|                                | Xeon E3-1275 v6  | 4C/3.8GHz/8MB/73W/DDR4-2400  |       |        |           |                 |
|                                | Xeon E3-1270 v6  | 4C/3.8GHz/8MB/72W/DDR4-2400  |       |        |           |                 |
|                                | Xeon E3-1245 v6  | 4C/3.7GHz/8MB/73W/DDR4-2400  |       |        |           |                 |
|                                | Xeon E3-1240 v6  | 4C/3.7GHz/8MB/72W/DDR4-2400  |       |        |           |                 |
|                                | Xeon E3-1230 v6  | 4C/3.5GHz/8MB/72W/DDR4-2400  |       |        |           |                 |
|                                | Xeon E3-1225 v6  | 4C/3.3GHz/8MB/73W/DDR4-2400  |       |        |           |                 |
|                                | Xeon E3-1220 v6  | 4C/3GHz/8MB/72W/DDR4-2400  |       |        |           |                 |
|                                | Core i7-7700K  | 4C/4.2GHz/8MB/91W/DDR4-2400  |       |        |           |                 |
|                                | Core i7-7700   | 4C/3.6GHz/8MB/65W/DDR4-2400  |       |        |           |                 |
|                                | Core i5-7600   | 4C/3.5GHz/6MB/65W/DDR4-2400  |       |        |           |                 |
|                                | Core i5-7500   | 4C/3.4GHz/6MB/65W/DDR4-2400  |       |        |           |                 |
|                                | Core i5-7400   | 4C/3GHz/6MB/65W/DDR4-2400  |       |        |           |                 |
|                                | Core i3-7300   | 2C/4GHz/4MB/51W/DDR4-2400  |       |        |           |                 |
|                                | Core i3-7100   | 2C/3.9GHz/3MB/51W/DDR4-2400  |       |        |           |                 |
|                                | Processor  | "Skylake"  |       |        |           |                 |
| Xeon E3-1245 v5                |  | 4C/3.5GHz/8MB/80W/DDR4-2133  |       |        |           |                 |
| Xeon E3-1240 v5                |  | 4C/3.5GHz/8MB/80W/DDR4-2133  |       |        |           |                 |
| Xeon E3-1230 v5                |  | 4C/3.4GHz/8MB/80W/DDR4-2133  |       |        |           |                 |
| Xeon E3-1225 v5                |  | 4C/3.3GHz/8MB/80W/DDR4-2133  |       |        |           |                 |
| Xeon E3-1220 v5                |  | 4C/3GHz/8MB/80W/DDR4-2133  |       |        |           |                 |
| Core i7-6700                   |  | 4C/3.4GHz/8MB/65W/DDR4-2133  |       |        |           |                 |
| Core i5-6500                   |  | 4C/3.2GHz/6MB/65W/DDR4-2133  |       |        |           |                 |
| Core i5-6400                   |  | 4C/2.7GHz/6MB/65W/DDR4-2133  |       |        |           |                 |
| Core i3-6100                   |  | 2C/3.7GHz/3MB/51W/DDR4-2133  |       |        |           |                 |
| Memory DIMM slots              |  | 4 DIMM slots, 2-channel (integrated memory controller in processor)  |       |        |           |                 |
| Memory type/capacity           |  | Up to 64GB ECC/non-ECC (4 x 16GB), DDR4-2400. UDIMM. "Skylake" processor supports up to DDR4-2133. Core i7 and i5 processors cannot support ECC.   |       |        |           |                 |
| Intel HD Graphics in processor |  | Integrated Intel HD P530 in Xeon E3-12x5 v5 processors, or Intel HD P630 in Xeon E3-12x5 v6 processors, or Intel HD 530 in Core i7, i5, or i3 6000 processors. or Intel HD 630 in Core i7, i5, or i3 7000 processors. Works along with discrete graphics to support multi-display, enables three display connectors (2 DP, 1 VGA) on rear. |       |        |           |                 |
| Discrete graphics              |  | Two PCI Express 3.0 x16 slots for graphics adapters. Up to two Quadro P1000 on 250 watts models. Or up to two Quadro P2000, or up to one Quadro P4000 on 400 watts models. Supports the following NVIDIA graphics adapters:  |       |        |           |                 |
|                                |  | Adapter  | Cores | Memory | Power     | Connector       |
|                                |  | NVS 310  | 48    | 1GB    | 19.5W     | 2xDP            |
|                                |  | NVS 315  | 48    | 1GB    | 19.5W     | 2xDVI-I SL/2xDP |
|                                | NVS 510  | 192  | 2GB   | 33.4W  | 4xmini DP |                 |
|                                | NVS 810  | 1024   | 4GB   | 68W    | 8xmini DP |                 |
|                                | Quadro P400  | 256  | 2GB   | 30W    | 3xminiDP  |                 |
|                                | Quadro P600  | 384  | 2GB   | 40W    | 4xminiDP  |                 |
|                                | Quadro P1000   | 640  | 4GB   | 47W    | 4xminiDP  |                 |
|                                | Quadro P2000   | 1024   | 5GB   | 75W    | 4xDP      |                 |
| Quadro P4000                   | 1792   | 8GB  | 105W  | 4xDP   |           |                 |
| Onboard drive controller       | Five onboard SATA 6.0Gb/s connectors for optical and disk drives plus one SATA connector for optional eSATA. RAID 0, 1, 5, 10 support  |  |       |        |           |                 |
| Drive Bays                     | Two external 5.25" bays, two internal 3.5" bays (see right). Up to one 9mm optical plus 4 x 3.5" disk drive bays plus two M.2 NVMe SSD |  |       |        |           |                 |
| Supporting disk drives         | 3.5" SATA HDD (7.2K 6Gbs)  | 1TB/2TB/4TB/1TB hybrid/2TB hybrid  |       |        |           |                 |
|                                | 2.5" SATA SSD (6Gbs)   | 256GB Opal/512GB/512GB Opal/1TB Opal/2TB opal  |       |        |           |                 |
|                                | M.2 NVMe SSD, via PCIe adapter   | 256GB Opal/512GB Opal/1TB Opal, PCIe 3.0 x4, up to 2; or 16GB Intel Optane Memory, PCIe 3.0 x2   |       |        |           |                 |
|                                | Max internal storage   | 16TB (4 x 4TB 3.5" HDDs) plus 2TB (2 x 1TB) M.2 NVMe SSD   |       |        |           |                 |
| Media reader                   | 9-in-1 card reader. Optional 29-in-1 card reader on selected models  |  |       |        |           |                 |

| Components                   | Specification  |
|------------------------------|--|
| Power supply                 | One 250 watts with variable speed fan, autosensing, Climate Savers Computing Bronze, 80 PLUS Bronze qualified. Or one 400 watts with variable speed fan, autosensing, Climate Savers Computing Platinum, 80 PLUS Platinum qualified. US models use 400 watts PSU |
| Onboard Ethernet             | One onboard gigabit ethernet, Intel I219LM, supports Wake-on-LAN   |
| HD Audio                     | Realtek ALC662 codec   |
| TPM                          | Standard, TCG 2.0-compliant  |
| Front ports                  | Two USB 3.0, microphone (3.5mm), headphone (3.5mm)   |
| Rear ports                   | 1 VGA and 2 DisplayPort (for Intel HD Graphics models only), two USB 2.0, four USB 3.0, one serial (9-pin), one ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in)   |
| Mechanical                   | <ul style="list-style-type: none"> <li>Raven black color; metal case</li> <li>6.89"W x 16.77"D x 14.8"H</li> <li>175mm W x 426mm D x 376mm H</li> <li>28.66 lb (13kg) max configuration</li> <li>25-liter</li> </ul>   |
| Environmental certifications | GREENGUARD certified/RoHS-compliant/EPEAT Gold rating/ENERGY STAR 6.1 qualified  |
| Limited warranty             | 1 or 3-year limited onsite service with 9x5/NBD. Some parts are Customer Replaceable Units.  |
| ISV certifications           | Please visit <a href="http://www.thinkworkstations.com/isv-certifications/">www.thinkworkstations.com/isv-certifications/</a>  |



## Drive Bays and PCIe Slots

|                 |  |
|-----------------|--|
| Bay 1 and Bay 2 | 5.25", support one of the following:<br>HH optical/flex module/9mm optical+3.5" HDD bay/<br>3.5" HDD bay/Front Access Storage Enclosure (FASE)<br><i>Note:</i><br>1. Flex module supports one or more of the following: 9mm optical/<br>29-in-1 reader/front IEEE 1394/front eSATA.<br>2. Up to one flex module/FASE per system.   |
| Bay 3           | Optional 9-in-1 single slot reader   |
| Bay 4           | Standard 3.5" HDD bay  |
| Bay 5           | Standard 3.5" HDD bay  |
| 6 -Slots        | Four PCIe slots (top-down):<br>Slot 1: Half length, full height, PCIe 3.0 x16 (near CPU)<br>Slot 2: Half length, full height, PCIe 3.0 x1<br>Slot 3: Half length, full height, PCIe 3.0 x16 (x4 elec)<br>Slot 4: Half length, full height, PCIe 3.0 x1<br><i>Note:</i><br>1. Both discrete graphics adapter and M.2 NVMe SSD should be installed on slot 1 or slot 3, the maximum quantity of discrete graphics adapter and M.2 NVMe SSD is 2.<br>2. When two discrete graphics adapters are used, no other PCIe card can be used. |



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Product Specifications Reference (PSREF)

| Model      | Product                 | Region | Processor                                   | Graphics                               | Memory                        | Disks                         | M.2 Drives                | Optical   | Media Reader | Power Supply      | Add-on Ports | Keyboard / Mouse | Operating System               | Warranty | Global | Ann Date (mm/yy) |
|------------|-------------------------|--------|---|--|-------------------------------|-------------------------------|---------------------------|-----------|--------------|-------------------|--------------|------------------|--------------------------------|----------|--------|------------------|
| 30BH0022US | ThinkStation P320 Tower | US     | Core i7-7700 4C/3.6GHz/8MB/65W/DDR4-2400    | Intel HD 630                           | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH0023US | ThinkStation P320 Tower | US     | Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | Intel HD P530                          | 1x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BH0024US | ThinkStation P320 Tower | US     | Core i7-7700 4C/3.6GHz/8MB/65W/DDR4-2400    | Intel HD 630                           | 1x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH0025US | ThinkStation P320 Tower | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530                           | 1x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BH0026US | ThinkStation P320 Tower | US     | Xeon E3-1240 v6 4C/3.7GHz/8MB/72W/DDR4-2400 | NVIDIA Quadro P2000 5GB                | 2x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH0027US | ThinkStation P320 Tower | US     | Core i7-7700K 4C/4.2GHz/8MB/91W/DDR4-2400   | Intel HD 630                           | 2x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH0028US | ThinkStation P320 Tower | US     | Core i5-7500 4C/3.4GHz/6MB/65W/DDR4-2400    | Intel HD 630                           | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH0029US | ThinkStation P320 Tower | US     | Core i7-7700 4C/3.6GHz/8MB/65W/DDR4-2400    | Intel HD 630                           | 2x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH002AUS | ThinkStation P320 Tower | US     | Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133    | Intel HD 530                           | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BH002BUS | ThinkStation P320 Tower | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro P600 2GB                 | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BH002CUS | ThinkStation P320 Tower | US     | Core i3-7100 2C/3.9GHz/3MB/51W/DDR4-2400    | Intel HD 630                           | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH002DUS | ThinkStation P320 Tower | US     | Core i7-7700K 4C/4.2GHz/8MB/91W/DDR4-2400   | Intel HD 630                           | 2x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH002EUS | ThinkStation P320 Tower | US     | Core i7-7700 4C/3.6GHz/8MB/65W/DDR4-2400    | Intel HD 630 + NVIDIA Quadro P1000 4GB | 2x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH002FUS | ThinkStation P320 Tower | US     | Core i3-6100 2C/3.7GHz/3MB/51W/DDR4-2133    | Intel HD 530                           | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |

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Product Specifications Reference (PSREF)

| Model      | Product                 | Region | Processor                                   | Graphics                               | Memory                        | Disks                         | M.2 Drives                | Optical   | Media Reader | Power Supply      | Add-on Ports | Keyboard / Mouse | Operating System               | Warranty | Global | Ann Date (mm/yy) |
|------------|-------------------------|--------|---|--|-------------------------------|-------------------------------|---------------------------|-----------|--------------|-------------------|--------------|------------------|--------------------------------|----------|--------|------------------|
| 30BH002GUS | ThinkStation P320 Tower | US     | Core i5-6500 4C/3.2GHz/6MB/65W/DDR4-2133    | Intel HD 530                           | 1x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BH002HUS | ThinkStation P320 Tower | US     | Xeon E3-1240 v6 4C/3.7GHz/8MB/72W/DDR4-2400 | NVIDIA Quadro P2000 5GB                | 2x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH002JUS | ThinkStation P320 Tower | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530 + NVIDIA Quadro P1000 4GB | 2x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BH002KUS | ThinkStation P320 Tower | US     | Core i7-7700 4C/3.6GHz/8MB/65W/DDR4-2400    | Intel HD 630                           | 2x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH002LUS | ThinkStation P320 Tower | US     | Core i7-7700 4C/3.6GHz/8MB/65W/DDR4-2400    | Intel HD 630 + NVIDIA Quadro P2000 5GB | 2x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH002MUS | ThinkStation P320 Tower | US     | Core i7-7700 4C/3.6GHz/8MB/65W/DDR4-2400    | Intel HD 630 + NVIDIA Quadro P2000 5GB | 2x8GB UDIMM DDR4-2400 Non-ECC | 1x2TB HDD 7.2K 3.5" SATA6Gbps | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH002NUS | ThinkStation P320 Tower | US     | Xeon E3-1230 v6 4C/3.5GHz/8MB/72W/DDR4-2400 | NVIDIA Quadro P400 2GB                 | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH002PUS | ThinkStation P320 Tower | US     | Core i7-7700 4C/3.6GHz/8MB/65W/DDR4-2400    | Intel HD 630                           | 2x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x1TB SSD M.2 PCIe Opal   | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH002QUS | ThinkStation P320 Tower | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530                           | 2x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BH002RUS | ThinkStation P320 Tower | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530                           | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BH002SUS | ThinkStation P320 Tower | US     | Xeon E3-1245 v6 4C/3.7GHz/8MB/73W/DDR4-2400 | Intel HD P630                          | 2x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH002TUS | ThinkStation P320 Tower | US     | Core i5-7500 4C/3.4GHz/6MB/65W/DDR4-2400    | Intel HD 630                           | 1x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64              | 3-year   | No     | 04/17            |
| 30BH002UUS | ThinkStation P320 Tower | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133    | Intel HD 530 + NVIDIA Quadro P2000 5GB | 2x8GB UDIMM DDR4-2400 Non-ECC | Open                          | 1x512GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |
| 30BH002VUS | ThinkStation P320 Tower | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA Quadro P2000 5GB                | 2x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                      | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | No     | 04/17            |

| Model      | Product                 | Region | Processor                                      | Graphics  | Memory                              | Disks                                    | M.2 Drives                      | Optical      | Media Reader | Power Supply            | Add-on Ports | Keyboard / Mouse | Operating System                     | Warranty | Global | Ann Date (mm/yy) |
|------------|-------------------------|--------|--|---|-------------------------------------|--|---------------------------------|--------------|--------------|-------------------------|--------------|------------------|--------------------------------------|----------|--------|------------------|
| 30BH002WUS | ThinkStation P320 Tower | US     | Xeon E3-1245 v6<br>4C/3.7GHz/8MB/73W/DDR4-2400 | Intel HD P630                                   | 1x8GB UDIMM<br>DDR4-2400<br>Non-ECC | Open                                     | 1x512GB<br>SSD M.2<br>PCIe Opal | HH<br>DVD±RW | 9-in-1       | 250W<br>Bronze<br>Fixed | None         | USB / USB        | Windows 10<br>Pro 64                 | 3-year   | No     | 04/17            |
| 30BH002XUS | ThinkStation P320 Tower | US     | Xeon E3-1230 v5<br>4C/3.4GHz/8MB/80W/DDR4-2133 | NVIDIA<br>Quadro<br>P400 2GB                    | 1x8GB UDIMM<br>DDR4-2400<br>Non-ECC | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps      | None                            | HH<br>DVD±RW | 9-in-1       | 250W<br>Bronze<br>Fixed | None         | USB / USB        | Windows 10<br>DG Windows<br>7 Pro 64 | 3-year   | No     | 04/17            |
| 30BH002YUS | ThinkStation P320 Tower | US     | Xeon E3-1270 v6<br>4C/3.8GHz/8MB/72W/DDR4-2400 | NVIDIA<br>Quadro<br>P2000 5GB                   | 2x8GB UDIMM<br>DDR4-2400<br>Non-ECC | Open                                     | 1x512GB<br>SSD M.2<br>PCIe Opal | HH<br>DVD±RW | 9-in-1       | 250W<br>Bronze<br>Fixed | None         | USB / USB        | Windows 10<br>Pro 64                 | 3-year   | No     | 04/17            |
| 30BH0030US | ThinkStation P320 Tower | US     | Xeon E3-1240 v5<br>4C/3.5GHz/8MB/80W/DDR4-2133 | NVIDIA<br>Quadro<br>P2000 5GB                   | 2x8GB UDIMM<br>DDR4-2400<br>Non-ECC | Open                                     | 1x512GB<br>SSD M.2<br>PCIe Opal | HH<br>DVD±RW | 9-in-1       | 250W<br>Bronze<br>Fixed | None         | USB / USB        | Windows 10<br>DG Windows<br>7 Pro 64 | 3-year   | No     | 04/17            |
| 30BH0031US | ThinkStation P320 Tower | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133       | Intel HD 530<br>+ NVIDIA<br>Quadro<br>P2000 5GB | 2x8GB UDIMM<br>DDR4-2400<br>Non-ECC | 1x2TB HDD<br>7.2K 3.5"<br>SATA6Gbps      | 1x512GB<br>SSD M.2<br>PCIe Opal | HH<br>DVD±RW | 9-in-1       | 250W<br>Bronze<br>Fixed | None         | USB / USB        | Windows 10<br>DG Windows<br>7 Pro 64 | 3-year   | No     | 04/17            |
| 30BH0032US | ThinkStation P320 Tower | US     | Xeon E3-1240 v6<br>4C/3.7GHz/8MB/72W/DDR4-2400 | NVIDIA<br>Quadro<br>P600 2GB                    | 1x8GB UDIMM<br>DDR4-2400<br>Non-ECC | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps      | None                            | HH<br>DVD±RW | 9-in-1       | 250W<br>Bronze<br>Fixed | None         | USB / USB        | Windows 10<br>Pro 64                 | 3-year   | No     | 04/17            |
| 30BH0033US | ThinkStation P320 Tower | US     | Xeon E3-1245 v5<br>4C/3.5GHz/8MB/80W/DDR4-2133 | Intel HD P530                                   | 2x8GB UDIMM<br>DDR4-2400<br>Non-ECC | Open                                     | 1x512GB<br>SSD M.2<br>PCIe Opal | HH<br>DVD±RW | 9-in-1       | 250W<br>Bronze<br>Fixed | None         | USB / USB        | Windows 10<br>DG Windows<br>7 Pro 64 | 3-year   | No     | 04/17            |
| 30BH0034US | ThinkStation P320 Tower | US     | Core i7-6700 4C/3.4GHz/8MB/65W/DDR4-2133       | Intel HD 530                                    | 2x8GB UDIMM<br>DDR4-2400<br>Non-ECC | Open                                     | 1x512GB<br>SSD M.2<br>PCIe Opal | HH<br>DVD±RW | 9-in-1       | 250W<br>Bronze<br>Fixed | None         | USB / USB        | Windows 10<br>DG Windows<br>7 Pro 64 | 3-year   | No     | 04/17            |
| 30BH0035US | ThinkStation P320 Tower | US     | Core i7-7700K 4C/4.2GHz/8MB/91W/DDR4-2400      | Intel HD 630<br>+ NVIDIA<br>Quadro<br>P1000 4GB | 1x8GB UDIMM<br>DDR4-2400<br>Non-ECC | 1x1TB SSD<br>2.5"<br>SATA6Gbps<br>Opal   | None                            | HH<br>DVD±RW | 9-in-1       | 250W<br>Bronze<br>Fixed | None         | USB / USB        | Windows 10<br>Pro 64                 | 3-year   | No     | 04/17            |
| 30BH0036US | ThinkStation P320 Tower | US     | Xeon E3-1245 v6<br>4C/3.7GHz/8MB/73W/DDR4-2400 | Intel HD P630                                   | 2x8GB UDIMM<br>DDR4-2400<br>ECC     | Open                                     | 1x512GB<br>SSD M.2<br>PCIe Opal | HH<br>DVD±RW | 9-in-1       | 250W<br>Bronze<br>Fixed | None         | USB / USB        | Windows 10<br>Pro 64                 | 3-year   | No     | 04/17            |
| 30BH0037US | ThinkStation P320 Tower | US     | Core i5-7500 4C/3.4GHz/6MB/65W/DDR4-2400       | Intel HD 630<br>+ NVIDIA<br>Quadro<br>P600 2GB  | 1x8GB UDIMM<br>DDR4-2400<br>Non-ECC | 1x512GB SSD<br>2.5"<br>SATA6Gbps<br>Opal | None                            | HH<br>DVD±RW | 9-in-1       | 250W<br>Bronze<br>Fixed | None         | USB / USB        | Windows 10<br>Pro 64                 | 3-year   | No     | 04/17            |
| 30BH0038US | ThinkStation P320 Tower | US     | Core i7-7700K 4C/4.2GHz/8MB/91W/DDR4-2400      | Intel HD 630<br>+ NVIDIA<br>Quadro<br>P400 2GB  | 1x8GB UDIMM<br>DDR4-2400<br>Non-ECC | 1x1TB SSD<br>2.5"<br>SATA6Gbps<br>Opal   | None                            | HH<br>DVD±RW | 9-in-1       | 250W<br>Bronze<br>Fixed | None         | USB / USB        | Windows 10<br>Pro 64                 | 3-year   | No     | 04/17            |
| 30BH0039US | ThinkStation P320 Tower | US     | Core i3-7100 2C/3.9GHz/3MB/51W/DDR4-2400       | Intel HD 630<br>+ NVIDIA<br>Quadro<br>P600 2GB  | 1x8GB UDIMM<br>DDR4-2400<br>Non-ECC | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps      | None                            | HH<br>DVD±RW | 9-in-1       | 250W<br>Bronze<br>Fixed | None         | USB / USB        | Windows 10<br>Pro 64                 | 3-year   | No     | 04/17            |
| 30BH003AUS | ThinkStation P320 Tower | US     | Core i7-7700 4C/3.6GHz/8MB/65W/DDR4-2400       | Intel HD 630<br>+ NVIDIA<br>Quadro<br>P600 2GB  | 1x8GB UDIMM<br>DDR4-2400<br>Non-ECC | 1x512GB SSD<br>2.5"<br>SATA6Gbps<br>Opal | None                            | HH<br>DVD±RW | 9-in-1       | 250W<br>Bronze<br>Fixed | None         | USB / USB        | Windows 10<br>Pro 64                 | 3-year   | No     | 04/17            |

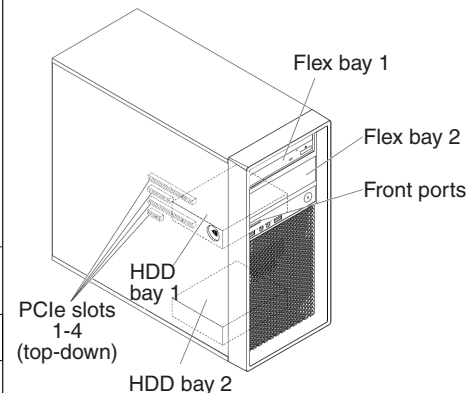
| Model      | Product                 | Region | Processor                                 | Graphics                              | Memory                        | Disks                           | M.2 Drives | Optical   | Media Reader | Power Supply      | Add-on Ports | Keyboard / Mouse | Operating System  | Warranty | Global | Ann Date (mm/yy) |
|------------|-------------------------|--------|---|---------------------------------------|-------------------------------|---------------------------------|------------|-----------|--------------|-------------------|--------------|------------------|-------------------|----------|--------|------------------|
| 30BH003BUS | ThinkStation P320 Tower | US     | Core i7-7700K 4C/4.2GHz/8MB/91W/DDR4-2400 | Intel HD 630 + NVIDIA Quadro P600 2GB | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB SSD 2.5" SATA6Gbps Opal   | None       | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64 | 3-year   | No     | 04/17            |
| 30BH003CUS | ThinkStation P320 Tower | US     | Core i7-7700 4C/3.6GHz/8MB/65W/DDR4-2400  | Intel HD 630 + NVIDIA Quadro P600 2GB | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64 | 3-year   | No     | 04/17            |
| 30BH003DUS | ThinkStation P320 Tower | US     | Core i5-7500 4C/3.4GHz/6MB/65W/DDR4-2400  | Intel HD 630 + NVIDIA Quadro P600 2GB | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64 | 3-year   | No     | 04/17            |
| 30BH003EUS | ThinkStation P320 Tower | US     | Core i3-7100 2C/3.9GHz/3MB/51W/DDR4-2400  | Intel HD 630 + NVIDIA Quadro P600 2GB | 1x8GB UDIMM DDR4-2400 Non-ECC | 1x512GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 250W Bronze Fixed | None         | USB / USB        | Windows 10 Pro 64 | 3-year   | No     | 04/17            |

# ThinkStation P410 Platform Specifications

Product Specifications Reference (PSREF)

| Components                            | Specification  |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|---------------------------------------|--|---|--------|---------------|-----------------|--------------|-----|---------|----|-----|-------|------|--|---------|----|-----|-------|-----------------|--|---------|-----|-----|-----|-----------|--|---------|------|-----|-----|-----------|--|-------------|-----|-----|-----|-------------|--|-------------|-----|-----|-----|-------------|--|--------------|-----|-----|-----|-----------|--|--------------|-----|-----|-----|------|--|--------------|------|-----|------|------|--|--------------|------|-----|------|---------------|--|-------------|-----|-----|-----|----------|--|-------------|-----|-----|-----|----------|--|--------------|-----|-----|-----|----------|--|--------------|------|-----|-----|------|--|--------------|------|-----|------|------|-----|--------------|------|------|------|---------------|--|
| Chipset                               | Intel C612 Platform Controller Hub (PCH)   |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| System mgmt                           | Intel Active Management Technology 9   |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| Processor                             | Up to one 140W Intel Xeon E5-1600 v4 family processors. Some Intel Xeon E5-2600 v4 processors are also available:  |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | E5-2637 v4   | 4C/3.5GHz/15MB/135W/DDR4-2400   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | E5-2623 v4   | 4C/2.6GHz/10MB/85W/DDR4-2133  |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | E5-2620 v4   | 8C/2.1GHz/20MB/85W/DDR4-2133  |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | E5-1680 v4   | 8C/3.4GHz/20MB/140W/DDR4-2400 333                                     |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | E5-1660 v4   | 8C/3.2GHz/20MB/140W/DDR4-2400   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | E5-1650 v4   | 6C/3.6GHz/15MB/140W/DDR4-2400   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | E5-1630 v4   | 4C/3.7GHz/10MB/140W/DDR4-2400   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | E5-1620 v4   | 4C/3.5GHz/10MB/140W/DDR4-2400   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| E5-1607 v4                            | 4C/3.1GHz/10MB/140W/DDR4-2133  |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| E5-1603 v4                            | 4C/2.8GHz/10MB/140W/DDR4-2133  |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| Coprocessor                           | None   |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| Memory DIMM slots                     | 4 DIMM sockets. 4-channel capable. RDIMM. ECC. DDR4-2400   |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| Memory capacity                       | 128GB (32GB x 4)   |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| Graphics                              | Two PCIe 3.0 x16 slots, up to two NVIDIA Quadro M4000, or up to one Quadro P5000   |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| Supporting Graphics and GPU computing | <table border="1"> <thead> <tr> <th>Adapter</th> <th>Cores</th> <th>Memory</th> <th>Power</th> <th>Connector***</th> <th>SLI</th> </tr> </thead> <tbody> <tr> <td>NVS 310</td> <td>48</td> <td>1GB</td> <td>19.5W</td> <td>2xDP</td> <td></td> </tr> <tr> <td>NVS 315</td> <td>48</td> <td>1GB</td> <td>19.5W</td> <td>2xDVI-I SL/2xDP</td> <td></td> </tr> <tr> <td>NVS 510</td> <td>192</td> <td>2GB</td> <td>35W</td> <td>4xmini DP</td> <td></td> </tr> <tr> <td>NVS 810</td> <td>1024</td> <td>4GB</td> <td>68W</td> <td>8xmini DP</td> <td></td> </tr> <tr> <td>Quadro K420</td> <td>192</td> <td>2GB</td> <td>41W</td> <td>DVI-I DL+DP</td> <td></td> </tr> <tr> <td>Quadro K620</td> <td>384</td> <td>2GB</td> <td>45W</td> <td>DVI-I DL+DP</td> <td></td> </tr> <tr> <td>Quadro K1200</td> <td>512</td> <td>4GB</td> <td>45W</td> <td>4xmini DP</td> <td></td> </tr> <tr> <td>Quadro M2000</td> <td>768</td> <td>4GB</td> <td>75W</td> <td>4xDP</td> <td></td> </tr> <tr> <td>Quadro M4000</td> <td>1664</td> <td>8GB</td> <td>120W</td> <td>4xDP</td> <td></td> </tr> <tr> <td>Quadro M5000</td> <td>2048</td> <td>8GB</td> <td>150W</td> <td>DVI-I DL+4xDP</td> <td></td> </tr> <tr> <td>Quadro P400</td> <td>256</td> <td>2GB</td> <td>30W</td> <td>3xminiDP</td> <td></td> </tr> <tr> <td>Quadro P600</td> <td>384</td> <td>2GB</td> <td>40W</td> <td>4xminiDP</td> <td></td> </tr> <tr> <td>Quadro P1000</td> <td>640</td> <td>4GB</td> <td>47W</td> <td>4xminiDP</td> <td></td> </tr> <tr> <td>Quadro P2000</td> <td>1024</td> <td>5GB</td> <td>75W</td> <td>4xDP</td> <td></td> </tr> <tr> <td>Quadro P4000</td> <td>1792</td> <td>8GB</td> <td>105W</td> <td>4xDP</td> <td>SLI</td> </tr> <tr> <td>Quadro P5000</td> <td>2560</td> <td>16GB</td> <td>180W</td> <td>DVI-D DL+4xDP</td> <td></td> </tr> </tbody> </table> | Adapter   | Cores  | Memory        | Power           | Connector*** | SLI | NVS 310 | 48 | 1GB | 19.5W | 2xDP |  | NVS 315 | 48 | 1GB | 19.5W | 2xDVI-I SL/2xDP |  | NVS 510 | 192 | 2GB | 35W | 4xmini DP |  | NVS 810 | 1024 | 4GB | 68W | 8xmini DP |  | Quadro K420 | 192 | 2GB | 41W | DVI-I DL+DP |  | Quadro K620 | 384 | 2GB | 45W | DVI-I DL+DP |  | Quadro K1200 | 512 | 4GB | 45W | 4xmini DP |  | Quadro M2000 | 768 | 4GB | 75W | 4xDP |  | Quadro M4000 | 1664 | 8GB | 120W | 4xDP |  | Quadro M5000 | 2048 | 8GB | 150W | DVI-I DL+4xDP |  | Quadro P400 | 256 | 2GB | 30W | 3xminiDP |  | Quadro P600 | 384 | 2GB | 40W | 4xminiDP |  | Quadro P1000 | 640 | 4GB | 47W | 4xminiDP |  | Quadro P2000 | 1024 | 5GB | 75W | 4xDP |  | Quadro P4000 | 1792 | 8GB | 105W | 4xDP | SLI | Quadro P5000 | 2560 | 16GB | 180W | DVI-D DL+4xDP |  |
|                                       | Adapter  | Cores   | Memory | Power         | Connector***    | SLI          |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | NVS 310  | 48  | 1GB    | 19.5W         | 2xDP            |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | NVS 315  | 48  | 1GB    | 19.5W         | 2xDVI-I SL/2xDP |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | NVS 510  | 192   | 2GB    | 35W           | 4xmini DP       |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | NVS 810  | 1024  | 4GB    | 68W           | 8xmini DP       |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | Quadro K420  | 192   | 2GB    | 41W           | DVI-I DL+DP     |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | Quadro K620  | 384   | 2GB    | 45W           | DVI-I DL+DP     |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | Quadro K1200   | 512   | 4GB    | 45W           | 4xmini DP       |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | Quadro M2000   | 768   | 4GB    | 75W           | 4xDP            |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | Quadro M4000   | 1664  | 8GB    | 120W          | 4xDP            |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | Quadro M5000   | 2048  | 8GB    | 150W          | DVI-I DL+4xDP   |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | Quadro P400  | 256   | 2GB    | 30W           | 3xminiDP        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | Quadro P600  | 384   | 2GB    | 40W           | 4xminiDP        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | Quadro P1000   | 640   | 4GB    | 47W           | 4xminiDP        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | Quadro P2000   | 1024  | 5GB    | 75W           | 4xDP            |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | Quadro P4000   | 1792  | 8GB    | 105W          | 4xDP            | SLI          |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| Quadro P5000                          | 2560   | 16GB  | 180W   | DVI-D DL+4xDP |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| Disk drive controller                 | <b>RAID 0, 1, 5, 10</b> with onboard SATA controller in chipset, SATA 6Gb/s. Optional <b>RAID 0, 1, 10</b> with optional LSI 9340-8i PCIe adapter, 12Gb/s SAS and SATA, optional upgrade to RAID 5 is available  |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| Drive Bays                            | Two external 5.25" flex bays, two internal 3.5" bays. Up to one 9.5mm optical plus four 3.5"/2.5" disk drives plus three M.2 PCIe SSD (see right)  |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| Supporting storage                    | 3.5" HDD, 7.2K SATA6Gbs  | 500GB/1TB/2TB/3TB/4TB/6TB, 1TB/2TB hybrid                             |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | 2.5" HDD, 10K SAS12Gbs   | 300GB/600GB   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | 2.5" SSD, SATA6Gbs   | 180GB/240GB/256GB/480GB/512GB with OPAL, 256GB/512GB/1TB without OPAL |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
|                                       | PCIe SSD, M.2 via PCIe 3.0 x4 adapter  | 256GB/512GB/1TB, NVMe   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| Flex connector                        | None   |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| Network interfaces                    | One onboard gigabit ethernet, Intel I218LM, supports Wake-on-LAN. Optional discrete ethernet adapters are available  |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| HD Audio                              | Realtek ALC662 codec   |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| TPM                                   | TCG 1.2-compliant  |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| Power supply                          | One fixed 450 watts, autosensing, 92%, 80 PLUS Platinum qualified  |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| Front ports                           | Two USB 3.0, microphone (3.5mm), headphone (3.5mm)   |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |
| Rear ports                            | Two USB 2.0, four USB 3.0, one ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in)  |   |        |               |                 |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |  |

| Components                  | Specification  |                                      |
|-----------------------------|--|--------------------------------------|
| Additional ports            | Supports the following optional ports:<br>Two IEEE 1394 (one on rear and one on front flex module) via PCIe adapter, up to one adapter per system.<br>Two rear USB 3.0 per PCIe adapter, up to three adapters per system.<br>One rear Thunderbolt via PCIe adapter, or two front Thunderbolt (on flex module) via PCIe adapter, front and rear Thunderbolt cannot be intermixed.<br>One rear serial via cable, up to one per system.<br>One front eSATA (on flex module), or one rear eSATA via cable and PCIe slot bracket, up to one eSATA port per system |                                      |
| Media reader                | 9-in-1 USB 2.0 card reader. Optional 29-in-1 USB 2.0 card reader on flex module  |                                      |
| Mechanical                  | <ul style="list-style-type: none"> <li>6.89"W x 16.77"D x 14.8"H</li> <li>175mm W x 426mm D x 376mm H</li> <li>30.86 lb (14kg) max configuration</li> <li>25-liter</li> </ul>  |                                      |
| Environmental specification | Temperature - operating  | 50 °F to 95 °F (10 °C to 35 °C)      |
|                             | Temperature - non operating (no package)   | 14 °F to 140 °F (-10 °C to 60 °C)    |
|                             | Temperature - non operating (with package)   | -40 °F to 140 °F (-40 °C to 60 °C)   |
|                             | Altitude - operating   | (Unpressurized): 0-10000ft (0-3048m) |
|                             | Humidity - operating   | 10%-80%, non-condensing              |
|                             | Humidity - storage (with package)  | 10%-90%, non-condensing              |
|                             | RoHS-compliant, GREENGUARD on all models. EPEAT Gold rating, ENERGY STAR 6.1 qualified on selected models.   |                                      |
| Base warranty               | 1 or 3-year limited onsite service with 9x5/NBD  |                                      |
| ISV certifications          | Please visit <a href="http://www.thinkworkstations.com/isv-certifications/">www.thinkworkstations.com/isv-certifications/</a>  |                                      |



### Expansion slots

|        |  |
|--------|--|
| Slot 1 | PCIe 3.0 x16, full length, full height |
| Slot 2 | PCIe 3.0 x8, full length, full height  |
| Slot 3 | PCIe 3.0 x16, full length, full height |
| Slot 4 | PCIe 2.0 x4, half length, full height  |

### Drive Bays

|            |   |
|------------|---|
| HDD bay 1  | 3.5", for one 3.5"/2.5" drive   |
| HDD bay 2  | 3.5", for one 3.5"/2.5" drive   |
| Flex bay 1 | HH optical, or 3.5" HDD bay via optional conversion kit, or slim optical+3.5" HDD bay kit via optional conversion kit, or flex module |
| Flex bay 2 | HH optical, or 3.5" HDD bay via optional conversion kit, or slim optical+3.5" HDD bay kit via optional conversion kit, or flex module |

Note:

- HDD bay 2 is not available when one Quadro M5000, two Quadro M4000, or two NVS 810 are used.
- Flex module supports one or more of the following options: 9.5mm optical/29-in-1 USB 2.0 reader/one front IEEE 1394/one front eSATA/two front Thunderbolt. Up to one flex module is supported per system.
- Up to one slim optical+3.5" HDD bay kit is supported per system.

| Model      | Region | Processor  | Graphics                | Memory                    | Storage Controller | Disks                           | M.2 Drives                | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Chassis Intrusion Switch | Keyboard / Mouse | Operating System  | Warranty | Ann Date (mm/yy) |
|------------|--------|--|-------------------------|---------------------------|--------------------|---------------------------------|---------------------------|-----------|--------------|--------------|--------------|-------------------|--------------------------|------------------|-------------------|----------|------------------|
| 30B3001PUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K620 2GB  | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64 | 3-year   | 06/16            |
| 30B3001QUS | US     | Xeon E5-1607 v4<br>4C/3.1GHz/10MB/140W/DDR4-2133 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64 | 3-year   | 06/16            |
| 30B3001RUS | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K1200 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64 | 3-year   | 06/16            |
| 30B3001SUS | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M2000 4GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x256GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64 | 3-year   | 06/16            |
| 30B3001TUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K620 2GB  | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB SSD 2.5" SATA6Gbps        | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64 | 3-year   | 06/16            |
| 30B3001UUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64 | 3-year   | 06/16            |
| 30B3001VUS | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro M2000 4GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x256GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64 | 3-year   | 06/16            |
| 30B3001WUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K620 2GB  | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64 | 3-year   | 06/16            |
| 30B3001XUS | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K620 2GB  | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x256GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64 | 3-year   | 06/16            |
| 30B3001YUS | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro M4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB SSD 2.5" SATA6Gbps        | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64 | 3-year   | 06/16            |
| 30B30020US | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | Open                    | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64 | 3-year   | 06/16            |
| 30B30021US | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K1200 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64 | 3-year   | 06/16            |

| Model      | Region | Processor  | Graphics                | Memory                    | Storage Controller | Disks                           | M.2 Drives                | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Chassis Intrusion Switch | Keyboard / Mouse | Operating System                  | Warranty | Ann Date (mm/yy) |
|------------|--------|--|-------------------------|---------------------------|--------------------|---------------------------------|---------------------------|-----------|--------------|--------------|--------------|-------------------|--------------------------|------------------|-----------------------------------|----------|------------------|
| 30B30022US | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro K1200 4GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | Open                            | 1x512GB SSD M.2 PCIe      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / CadMouse   | Windows 10 Pro 64                 | 3-year   | 06/16            |
| 30B3002AUS | US     | Xeon E5-1607 v4<br>4C/3.1GHz/10MB/140W/DDR4-2133 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 09/16            |
| 30B3002HUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 09/16            |
| 30B3003KUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K620 2GB  | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 09/16            |
| 30B3003LUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K620 2GB  | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB SSD 2.5" SATA6Gbps        | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 09/16            |
| 30B3003MUS | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K620 2GB  | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x256GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 09/16            |
| 30B3003NUS | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro M4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB SSD 2.5" SATA6Gbps        | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 09/16            |
| 30B3003PUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K620 2GB  | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 09/16            |
| 30B3003QUS | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro K1200 4GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | Open                            | 1x512GB SSD M.2 PCIe      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / CadMouse   | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 09/16            |
| 30B3003RUS | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | Open                    | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 09/16            |
| 30B3003SUS | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M2000 4GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x256GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 09/16            |
| 30B3003TUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K1200 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 09/16            |

| Model      | Region | Processor  | Graphics                    | Memory                           | Storage Controller | Disks                                    | M.2 Drives                               | Optical      | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Chassis Intrusion Switch | Keyboard / Mouse | Operating System                        | Warranty | Ann Date (mm/yy) |
|------------|--------|--|-----------------------------|----------------------------------|--------------------|--|--|--------------|--------------|--------------|--------------|-------------------|--------------------------|------------------|---|----------|------------------|
| 30B3003UUS | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro M2000<br>4GB  | 2x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | 1x256GB SSD<br>2.5"<br>SATA6Gbps<br>Opal | None                                     | HH<br>DVD±RW | 9-in-1       | 450W<br>92%  | None         | None              | Switch                   | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 09/16            |
| 30B3003VUS | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K1200<br>4GB  | 1x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | Open                                     | 1x256GB<br>SSD M.2<br>PCIe Opal          | HH<br>DVD±RW | 9-in-1       | 450W<br>92%  | None         | None              | Switch                   | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 09/16            |
| 30B3004JUS | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M2000<br>4GB  | 2x16GB RDIMM<br>DDR4-2400<br>ECC | Onboard SATA       | 1x512GB SSD<br>2.5"<br>SATA6Gbps         | 1x256GB<br>SSD M.2<br>PCIe Opal          | None         | None         | 450W<br>92%  | None         | None              | Switch                   | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 09/16            |
| 30B3004MUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K1200<br>4GB  | 2x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | Open                                     | 1x1TB<br>SSD M.2<br>PCIe<br>NVMe<br>Opal | HH<br>DVD±RW | 9-in-1       | 450W<br>92%  | None         | None              | Switch                   | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 12/16            |
| 30B3004NUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | Open                        | 2x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | Open                                     | 1x1TB<br>SSD M.2<br>PCIe<br>NVMe<br>Opal | HH<br>DVD±RW | 9-in-1       | 450W<br>92%  | None         | None              | Switch                   | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 12/16            |
| 30B3004PUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | Open                        | 2x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps      | None                                     | HH<br>DVD±RW | 9-in-1       | 450W<br>92%  | None         | None              | Switch                   | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 12/16            |
| 30B3004QUS | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P5000<br>16GB | 2x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | Open                                     | 1x1TB<br>SSD M.2<br>PCIe<br>NVMe<br>Opal | HH<br>DVD±RW | 9-in-1       | 450W<br>92%  | None         | None              | Switch                   | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 12/16            |
| 30B3004RUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | Open                        | 2x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps      | None                                     | None         | 9-in-1       | 450W<br>92%  | None         | None              | Switch                   | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 12/16            |
| 30B3004SUS | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | Open                        | 2x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | Open                                     | 1x1TB<br>SSD M.2<br>PCIe<br>NVMe<br>Opal | HH<br>DVD±RW | 9-in-1       | 450W<br>92%  | None         | None              | Switch                   | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 12/16            |
| 30B3004TUS | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | Open                        | 2x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | Open                                     | 1x1TB<br>SSD M.2<br>PCIe<br>NVMe<br>Opal | HH<br>DVD±RW | 9-in-1       | 450W<br>92%  | None         | None              | Switch                   | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 12/16            |
| 30B3004UUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | Open                        | 2x8GB RDIMM<br>DDR4-2400<br>ECC  | 9340-8i PCIe       | Open                                     | 1x256GB<br>SSD M.2<br>PCIe Opal          | HH<br>DVD±RW | 9-in-1       | 450W<br>92%  | None         | None              | Switch                   | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 12/16            |
| 30B3004VUS | US     | Xeon E5-1607 v4<br>4C/3.1GHz/10MB/140W/DDR4-2133 | Open                        | 2x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | Open                                     | 1x1TB<br>SSD M.2<br>PCIe<br>NVMe<br>Opal | HH<br>DVD±RW | 9-in-1       | 450W<br>92%  | None         | None              | Switch                   | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 12/16            |



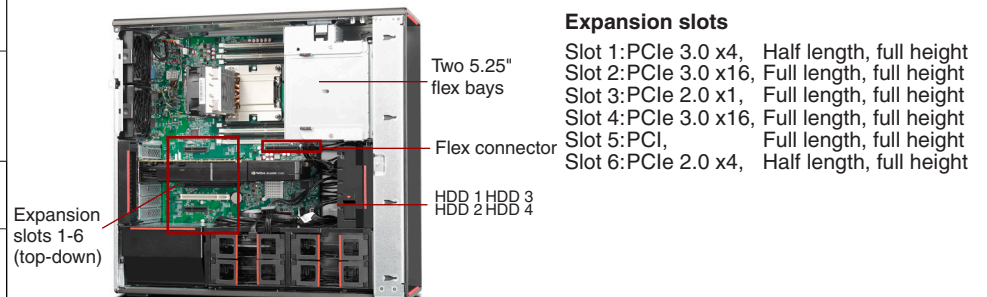
| Model      | Region | Processor  | Graphics                | Memory                    | Storage Controller | Disks                           | M.2 Drives                | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Chassis Intrusion Switch | Keyboard / Mouse | Operating System                  | Warranty | Ann Date (mm/yy) |
|------------|--------|--|-------------------------|---------------------------|--------------------|---------------------------------|---------------------------|-----------|--------------|--------------|--------------|-------------------|--------------------------|------------------|-----------------------------------|----------|------------------|
| 30B3005SUS | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P600 2GB  | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x256GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64                 | 3-year   | 04/17            |
| 30B3005TUS | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P1000 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B3005UUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P600 2GB  | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB SSD 2.5" SATA6Gbps        | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64                 | 3-year   | 04/17            |
| 30B3005VUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P600 2GB  | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64                 | 3-year   | 04/17            |
| 30B3005WUS | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P2000 5GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x256GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B3005XUS | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P600 2GB  | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x256GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B3005YUS | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P1000 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64                 | 3-year   | 04/17            |
| 30B30060US | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P600 2GB  | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B30061US | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro P1000 4GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | Open                            | 1x512GB SSD M.2 PCIe      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B30062US | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro P4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 1x1TB SSD 2.5" SATA6Gbps        | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64                 | 3-year   | 04/17            |
| 30B30063US | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P1000 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B30064US | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P1000 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64                 | 3-year   | 04/17            |

| Model      | Region | Processor  | Graphics                | Memory                     | Storage Controller | Disks                           | M.2 Drives                | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Chassis Intrusion Switch | Keyboard / Mouse | Operating System                  | Warranty | Ann Date (mm/yy) |
|------------|--------|--|-------------------------|----------------------------|--------------------|---------------------------------|---------------------------|-----------|--------------|--------------|--------------|-------------------|--------------------------|------------------|-----------------------------------|----------|------------------|
| 30B30065US | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro P2000 5GB | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 1x256GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B30066US | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro P2000 5GB | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 1x256GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64                 | 3-year   | 04/17            |
| 30B30067US | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro P4000 8GB | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 1x1TB SSD 2.5" SATA6Gbps        | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B30068US | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P600 2GB  | 1x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64                 | 3-year   | 04/17            |
| 30B30069US | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P2000 5GB | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 1x256GB SSD 2.5" SATA6Gbps Opal | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64                 | 3-year   | 04/17            |
| 30B3006AUS | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro P1000 4GB | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | Open                            | 1x512GB SSD M.2 PCIe      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 Pro 64                 | 3-year   | 04/17            |
| 30B3006BUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P600 2GB  | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 1x1TB SSD 2.5" SATA6Gbps        | None                      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B3006DUS | US     | Xeon E5-1650 v4<br>6C/3.6GHz/15MB/140W/DDR4-2400 | Open                    | 1x16GB RDIMM DDR4-2400 ECC | Onboard SATA       | Open                            | 1x512GB SSD M.2 PCIe      | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 07/17            |
| 30B3006EUS | US     | Xeon E5-1630 v4<br>4C/3.7GHz/10MB/140W/DDR4-2400 | Open                    | 1x16GB RDIMM DDR4-2400 ECC | Onboard SATA       | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 07/17            |
| 30B3006FUS | US     | Xeon E5-1620 v4<br>4C/3.5GHz/10MB/140W/DDR4-2400 | Open                    | 1x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | Open                            | 1x256GB SSD M.2 PCIe Opal | HH DVD±RW | 9-in-1       | 450W 92%     | None         | None              | Switch                   | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 07/17            |

# ThinkStation P510 Platform Specifications

| Components                            | Specification   |   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|---------------------------------------|---|---|--------|---------------|------------------------|--------------|-----|---------|----|-----|-------|------|--|---------|----|-----|-------|-----------------|--|---------|-----|-----|-----|-----------|--|---------|------|-----|-----|-----------|--|-------------|-----|-----|-----|-------------|--|-------------|-----|-----|-----|-------------|--|--------------|-----|-----|-----|-----------|--|--------------|-----|-----|-----|---------------|--|--------------|------|-----|------|---------------|--|--------------|------|-----|------|------------------------|-----|--------------|-----|-----|-----|------|--|--------------|------|-----|------|------|--|--------------|------|-----|------|---------------|-----|--------------|------|------|------|---------------|--|-------------|-----|-----|-----|----------|--|-------------|-----|-----|-----|----------|--|--------------|-----|-----|-----|----------|--|--------------|------|-----|-----|------|--|--------------|------|-----|------|------|-----|--------------|------|------|------|---------------|-----|--------------|------|------|------|---------------|--|-----------|------|------|------|--|--|
| Chipset                               | Intel C612 Platform Controller Hub (PCH)  |   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| System mgmt                           | Intel Active Management Technology 9  |   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| Processor                             | Up to one 145W Intel Xeon E5-2600 v4 or E5-1600 v4 family processors. 22 cores up to 2.2GHz, 16 cores up to 2.6GHz, 14 cores up to 2.6GHz, 12 cores up to 2.2GHz, 10 cores up to 2.4GHz, 8 cores up to 3.4GHz, 6 cores up to 3.6GHz, 4 cores up to 3.7GHz<br>Or up to one Intel Xeon E5-2600 v3 or E5-1600 v3 processors (not available in EMEA).   |   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| Coprocessor                           | None  |   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| Memory DIMM slots                     | 8 DIMM sockets, 4-channel capable. RDIMM, ECC, DDR4, 2400MHz  |   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| Memory capacity                       | 256GB   |   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| Graphics, GPU computing               | Two PCIe 3.0 x16 slots for graphics and GPU computing adapters. Up to two NVIDIA Quadro M5000 SLI   |   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| Supporting Graphics and GPU computing | <table border="1"> <thead> <tr> <th>Adapter</th> <th>Cores</th> <th>Memory</th> <th>Power</th> <th>Connector***</th> <th>SLI</th> </tr> </thead> <tbody> <tr> <td>NVS 310</td> <td>48</td> <td>1GB</td> <td>19.5W</td> <td>2xDP</td> <td></td> </tr> <tr> <td>NVS 315</td> <td>48</td> <td>1GB</td> <td>19.5W</td> <td>2xDVI-I SL/2xDP</td> <td></td> </tr> <tr> <td>NVS 510</td> <td>192</td> <td>2GB</td> <td>35W</td> <td>4xmini DP</td> <td></td> </tr> <tr> <td>NVS 810</td> <td>1024</td> <td>4GB</td> <td>68W</td> <td>8xmini DP</td> <td></td> </tr> <tr> <td>Quadro K420</td> <td>192</td> <td>2GB</td> <td>41W</td> <td>DVI-I DL+DP</td> <td></td> </tr> <tr> <td>Quadro K620</td> <td>384</td> <td>2GB</td> <td>45W</td> <td>DVI-I DL+DP</td> <td></td> </tr> <tr> <td>Quadro K1200</td> <td>512</td> <td>4GB</td> <td>45W</td> <td>4xmini DP</td> <td></td> </tr> <tr> <td>Quadro K2200</td> <td>640</td> <td>4GB</td> <td>68W</td> <td>DVI-I DL+2xDP</td> <td></td> </tr> <tr> <td>Quadro K4200</td> <td>1344</td> <td>4GB</td> <td>108W</td> <td>DVI-I DL+2xDP</td> <td></td> </tr> <tr> <td>Quadro K5200</td> <td>2304</td> <td>8GB</td> <td>150W</td> <td>DVI-I DL+DVI-D DL+2xDP</td> <td>SLI</td> </tr> <tr> <td>Quadro M2000</td> <td>768</td> <td>4GB</td> <td>75W</td> <td>4xDP</td> <td></td> </tr> <tr> <td>Quadro M4000</td> <td>1664</td> <td>8GB</td> <td>120W</td> <td>4xDP</td> <td></td> </tr> <tr> <td>Quadro M5000</td> <td>2048</td> <td>8GB</td> <td>150W</td> <td>DVI-I DL+4xDP</td> <td>SLI</td> </tr> <tr> <td>Quadro M6000</td> <td>3072</td> <td>24GB</td> <td>250W</td> <td>DVI-I DL+4xDP</td> <td></td> </tr> <tr> <td>Quadro P400</td> <td>256</td> <td>2GB</td> <td>30W</td> <td>3xminiDP</td> <td></td> </tr> <tr> <td>Quadro P600</td> <td>384</td> <td>2GB</td> <td>40W</td> <td>4xminiDP</td> <td></td> </tr> <tr> <td>Quadro P1000</td> <td>640</td> <td>4GB</td> <td>47W</td> <td>4xminiDP</td> <td></td> </tr> <tr> <td>Quadro P2000</td> <td>1024</td> <td>5GB</td> <td>75W</td> <td>4xDP</td> <td></td> </tr> <tr> <td>Quadro P4000</td> <td>1792</td> <td>8GB</td> <td>105W</td> <td>4xDP</td> <td>SLI</td> </tr> <tr> <td>Quadro P5000</td> <td>2560</td> <td>16GB</td> <td>180W</td> <td>DVI-D DL+4xDP</td> <td>SLI</td> </tr> <tr> <td>Quadro P6000</td> <td>3840</td> <td>24GB</td> <td>250W</td> <td>DVI-D DL+4xDP</td> <td></td> </tr> <tr> <td>Tesla K40</td> <td>2880</td> <td>12GB</td> <td>235W</td> <td></td> <td></td> </tr> </tbody> </table> | Adapter   | Cores  | Memory        | Power                  | Connector*** | SLI | NVS 310 | 48 | 1GB | 19.5W | 2xDP |  | NVS 315 | 48 | 1GB | 19.5W | 2xDVI-I SL/2xDP |  | NVS 510 | 192 | 2GB | 35W | 4xmini DP |  | NVS 810 | 1024 | 4GB | 68W | 8xmini DP |  | Quadro K420 | 192 | 2GB | 41W | DVI-I DL+DP |  | Quadro K620 | 384 | 2GB | 45W | DVI-I DL+DP |  | Quadro K1200 | 512 | 4GB | 45W | 4xmini DP |  | Quadro K2200 | 640 | 4GB | 68W | DVI-I DL+2xDP |  | Quadro K4200 | 1344 | 4GB | 108W | DVI-I DL+2xDP |  | Quadro K5200 | 2304 | 8GB | 150W | DVI-I DL+DVI-D DL+2xDP | SLI | Quadro M2000 | 768 | 4GB | 75W | 4xDP |  | Quadro M4000 | 1664 | 8GB | 120W | 4xDP |  | Quadro M5000 | 2048 | 8GB | 150W | DVI-I DL+4xDP | SLI | Quadro M6000 | 3072 | 24GB | 250W | DVI-I DL+4xDP |  | Quadro P400 | 256 | 2GB | 30W | 3xminiDP |  | Quadro P600 | 384 | 2GB | 40W | 4xminiDP |  | Quadro P1000 | 640 | 4GB | 47W | 4xminiDP |  | Quadro P2000 | 1024 | 5GB | 75W | 4xDP |  | Quadro P4000 | 1792 | 8GB | 105W | 4xDP | SLI | Quadro P5000 | 2560 | 16GB | 180W | DVI-D DL+4xDP | SLI | Quadro P6000 | 3840 | 24GB | 250W | DVI-D DL+4xDP |  | Tesla K40 | 2880 | 12GB | 235W |  |  |
|                                       | Adapter   | Cores   | Memory | Power         | Connector***           | SLI          |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | NVS 310   | 48  | 1GB    | 19.5W         | 2xDP                   |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | NVS 315   | 48  | 1GB    | 19.5W         | 2xDVI-I SL/2xDP        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | NVS 510   | 192   | 2GB    | 35W           | 4xmini DP              |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | NVS 810   | 1024  | 4GB    | 68W           | 8xmini DP              |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | Quadro K420   | 192   | 2GB    | 41W           | DVI-I DL+DP            |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | Quadro K620   | 384   | 2GB    | 45W           | DVI-I DL+DP            |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | Quadro K1200  | 512   | 4GB    | 45W           | 4xmini DP              |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | Quadro K2200  | 640   | 4GB    | 68W           | DVI-I DL+2xDP          |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | Quadro K4200  | 1344  | 4GB    | 108W          | DVI-I DL+2xDP          |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | Quadro K5200  | 2304  | 8GB    | 150W          | DVI-I DL+DVI-D DL+2xDP | SLI          |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | Quadro M2000  | 768   | 4GB    | 75W           | 4xDP                   |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | Quadro M4000  | 1664  | 8GB    | 120W          | 4xDP                   |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | Quadro M5000  | 2048  | 8GB    | 150W          | DVI-I DL+4xDP          | SLI          |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | Quadro M6000  | 3072  | 24GB   | 250W          | DVI-I DL+4xDP          |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | Quadro P400   | 256   | 2GB    | 30W           | 3xminiDP               |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | Quadro P600   | 384   | 2GB    | 40W           | 4xminiDP               |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | Quadro P1000  | 640   | 4GB    | 47W           | 4xminiDP               |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | Quadro P2000  | 1024  | 5GB    | 75W           | 4xDP                   |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| Quadro P4000                          | 1792  | 8GB   | 105W   | 4xDP          | SLI                    |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| Quadro P5000                          | 2560  | 16GB  | 180W   | DVI-D DL+4xDP | SLI                    |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| Quadro P6000                          | 3840  | 24GB  | 250W   | DVI-D DL+4xDP |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| Tesla K40                             | 2880  | 12GB  | 235W   |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| RAID controller                       | Supports one of the following:<br><b>RAID 0, 1, 5, 10</b> with onboard SATA controller in chipset, SATA 6Gb/s.<br><b>RAID 0, 1, 5, 10</b> with optional LSI RAID flex adapter, 12Gb/s SAS and SATA.<br><b>RAID 0, 1, 5, 6, 10</b> with optional LSI 9364-8i PCIe adapter, 1GB memory, 12Gb/s SAS and SATA   |   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| Drive Bays                            | Two external 5.25" flex bays for flex module, optical drives, or optional disk drives. Four 3.5" internal bays. Each 3.5" bay can support dual drives on selected models (see right).   |   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| Flex bay                              | Two 5.25" flex bays for optical drives, Front Access Storage Enclosure drives, Flex Bay Storage Enclosure drives, or flex module.<br>• Up to two half-height optical drives or up to one 9.5mm optical drive, DVD-ROM, DVD±RW, or Blu-Ray burner<br>• Up to one Front Access Storage Enclosure for one 3.5" or 2.5" SATA drive.<br>• Up to two Flex Bay Storage Enclosure for two 3.5" or 2.5" SATA drives.   |   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| Supporting storage                    | 3.5" HDD, 7.2K SATA6Gbs   | 500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid                       |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | 2.5" HDD, 15K SAS12Gbs  | 300GB/600GB   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | 2.5" SSD, SAS12Gbs  | 200GB/400GB/800GB   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | 2.5" SAS HDD, 10K 12Gbs   | 300GB   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | 2.5" SSD, SATA6Gbs  | 180GB/240GB/256GB/480GB/512GB with OPAL, 256GB/512GB/1TB without OPAL |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
|                                       | PCIe SSD, U.2   | 400GB   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| PCIe SSD, M.2                         | 256 GB/512GB/1TB  |   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| PCIe SSD adapter                      | 400GB (up to 3 per system)  |   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |
| Flex connector                        | One flex connector, supports one of the following:<br>• Up to one LSI RAID flex adapter for SATA/SAS RAID<br>• Up to one Multi-I/O flex adapters for one 2.5" PCIe SSD<br>• Up to one M.2 flex adapters for one M.2 PCIe SSD  |   |        |               |                        |              |     |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |  |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |  |           |      |      |      |  |  |

| Components   | Specification  |                                      |
|--|--|--------------------------------------|
| Network interfaces   | Integrated one Gigabit Ethernet (Intel i218LM), supports Wake-on-LAN. Optional discrete Ethernet is available  |                                      |
| HD Audio   | Realtek ALC662 codec   |                                      |
| TPM  | TCG 1.2-compliant  |                                      |
| Power supply   | One fixed 490 watts, autosensing, 90%, 80 PLUS Gold qualified.<br>Or one fixed 650 watts, autosensing, 92%, 80 PLUS Platinum qualified   |                                      |
| Front ports  | Four USB 3.0 (one Diagnostic, one Always On), one combo audio/microphone jack (3.5mm)  |                                      |
| Rear ports   | Four USB 2.0, four USB 3.0, one serial (9-pin), one ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in), two PS/2   |                                      |
| Add-on ports   | Supports the following optional ports:<br>Two IEEE 1394 (one on rear and one on front flex module) via PCIe adapter, up to one adapter per system.<br>Two rear USB 3.0 per PCIe adapter, up to three adapters per system.<br>One rear Thunderbolt via PCIe adapter.<br>One front eSATA (on flex module), or one rear eSATA via cable (also needs one PCIe slot), up to one eSATA port per system.<br>One internal USB 3.0 port via cable, cannot be intermixed with 29-in-1 reader |                                      |
| Media reader   | 9-in-1 USB 2.0 or 29-in-1 USB 3.0 card reader  |                                      |
| Mechanical   | <ul style="list-style-type: none"> <li>36-liter: 175mm/6.89" W x 470mm/18.5" D x 440mm/17.32" H (with feet)</li> <li>Tool-less parts: all except CPU fansink</li> <li>48.94 lb (22.2kg) max configuration</li> </ul>   |                                      |
| Environmental specification  | Temperature - operating  | 50 °F to 95 °F (10 °C to 35 °C)      |
|  | Temperature - non operating (no package)   | 14 °F to 140 °F (-10 °C to 60 °C)    |
|  | Temperature - non operating (with package)   | -40 °F to 140 °F (-40 °C to 60 °C)   |
|  | Altitude - operating   | (Unpressurized): 0-10000ft (0-3048m) |
| Humidity - operating   | Humidity - operating   | 10%-80%, non-condensing              |
|  | Humidity - storage (with package)  | 10%-90%, non-condensing              |
| RoHS-compliant, GREENGUARD on all models. EPEAT Gold rating, ENERGY STAR 6.1 qualified on selected models. |  |                                      |
| Base warranty  | 3-year limited onsite service with 9x5/NBD   |                                      |
| ISV certifications   | Please visit <a href="http://www.thinkworkstations.com/isv-certifications/">www.thinkworkstations.com/isv-certifications/</a>  |                                      |



**Expansion slots**  
Slot 1: PCIe 3.0 x4, Half length, full height  
Slot 2: PCIe 3.0 x16, Full length, full height  
Slot 3: PCIe 2.0 x1, Full length, full height  
Slot 4: PCIe 3.0 x16, Full length, full height  
Slot 5: PCI, Full length, full height  
Slot 6: PCIe 2.0 x4, Half length, full height

**Drive Bays**  
HDD 1-4: Standard 3.5" HDD bay, up to four 3.5" or 2.5" disk drives.  
On selected models, each 3.5" bay can supports 2.5" (9mm or less) drive plus 3.5" drive, or two 2.5" (15mm or less) drives.  
Flex bay: Two 5.25" flex bays, for HH optical drives.  
Or up to one optional flex module (Flex module supports one or more of the following options: 9.5mm optical/29-in-1 USB 3.0 reader/front IEEE 1394/front eSATA).  
Or up to two HDD bays for two drives, 3.5" or 2.5" each, SATA only.

| Model      | Region | Processor                                     | Graphics                | Memory                    | Storage Controller | Max Drives in 3.5" Bays | Disks                           | M.2 Drives | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Keyboard / Mouse | Operating System               | Warranty | End of Support | Ann Date (mm/yy) |
|------------|--------|---|-------------------------|---------------------------|--------------------|-------------------------|---------------------------------|------------|-----------|--------------|--------------|--------------|-------------------|------------------|--------------------------------|----------|----------------|------------------|
| 30B5000VUS | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jun 14, 2021   | 06/16            |
| 30B50019US | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | Open                    | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jun 14, 2021   | 06/16            |
| 30B5001GUS | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M2000 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jul 14, 2022   | 06/16            |
| 30B5001HUS | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jul 14, 2022   | 06/16            |
| 30B5001JUS | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M2000 4GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x512GB SSD 2.5" SATA6Gbps      | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jul 14, 2022   | 06/16            |
| 30B5001KUS | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jul 14, 2022   | 06/16            |
| 30B5001LUS | US     | Xeon E5-1607 v4 4C/3.1GHz/10MB/140W/DDR4-2133 | NVIDIA Quadro K620 2GB  | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jul 14, 2022   | 06/16            |
| 30B5001MUS | US     | Xeon E5-1607 v4 4C/3.1GHz/10MB/140W/DDR4-2133 | NVIDIA Quadro K620 2GB  | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x500GB HDD 7.2K 3.5" SATA6Gbps | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jul 14, 2022   | 06/16            |
| 30B5001NUS | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x512GB SSD 2.5" SATA6Gbps      | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jul 14, 2022   | 06/16            |
| 30B5001PUS | US     | Xeon E5-1607 v4 4C/3.1GHz/10MB/140W/DDR4-2133 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jul 14, 2022   | 06/16            |
| 30B5001QUS | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jul 14, 2022   | 06/16            |
| 30B50022US | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |

| Model      | Region | Processor                                     | Graphics                | Memory                    | Storage Controller | Max Drives in 3.5" Bays | Disks                           | M.2 Drives | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Keyboard / Mouse | Operating System               | Warranty | End of Support | Ann Date (mm/yy) |
|------------|--------|---|-------------------------|---------------------------|--------------------|-------------------------|---------------------------------|------------|-----------|--------------|--------------|--------------|-------------------|------------------|--------------------------------|----------|----------------|------------------|
| 30B5002EUS | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | Open                    | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B5002TUS | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K620 2GB  | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jul 14, 2022   | 06/16            |
| 30B5002UUS | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jul 14, 2022   | 06/16            |
| 30B5002VUS | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K1200 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jul 14, 2022   | 06/16            |
| 30B5002WUS | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M2000 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jul 14, 2022   | 06/16            |
| 30B5002XUS | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K1200 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jul 14, 2022   | 06/16            |
| 30B5002YUS | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jun 14, 2021   | 06/16            |
| 30B50030US | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jun 14, 2021   | 06/16            |
| 30B50031US | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M2000 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jun 14, 2021   | 06/16            |
| 30B50032US | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | Open                    | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jun 14, 2021   | 06/16            |
| 30B50033US | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro M2000 4GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jun 14, 2021   | 06/16            |
| 30B50034US | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro M4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jun 14, 2021   | 06/16            |

| Model      | Region | Processor                                     | Graphics                | Memory                    | Storage Controller | Max Drives in 3.5" Bays | Disks                           | M.2 Drives | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Keyboard / Mouse | Operating System               | Warranty | End of Support | Ann Date (mm/yy) |
|------------|--------|---|-------------------------|---------------------------|--------------------|-------------------------|---------------------------------|------------|-----------|--------------|--------------|--------------|-------------------|------------------|--------------------------------|----------|----------------|------------------|
| 30B50035US | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro M4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x512GB SSD 2.5" SATA6Gbps      | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jun 14, 2021   | 06/16            |
| 30B50036US | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro M5000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x512GB SSD 2.5" SATA6Gbps      | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 Pro 64              | 3-year   | Jun 14, 2021   | 06/16            |
| 30B5003KUS | US     | Xeon E5-1607 v4 4C/3.1GHz/10MB/140W/DDR4-2133 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B5003NUS | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B5003UUS | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B5004YUS | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B50050US | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x512GB SSD 2.5" SATA6Gbps      | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B50051US | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M2000 4GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x512GB SSD 2.5" SATA6Gbps      | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B50052US | US     | Xeon E5-1607 v4 4C/3.1GHz/10MB/140W/DDR4-2133 | NVIDIA Quadro K620 2GB  | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x500GB HDD 7.2K 3.5" SATA6Gbps | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B50053US | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B50054US | US     | Xeon E5-1607 v4 4C/3.1GHz/10MB/140W/DDR4-2133 | NVIDIA Quadro K620 2GB  | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B50055US | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M2000 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |

| Model      | Region | Processor                                     | Graphics                | Memory                    | Storage Controller | Max Drives in 3.5" Bays | Disks                           | M.2 Drives | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Keyboard / Mouse | Operating System               | Warranty | End of Support | Ann Date (mm/yy) |
|------------|--------|---|-------------------------|---------------------------|--------------------|-------------------------|---------------------------------|------------|-----------|--------------|--------------|--------------|-------------------|------------------|--------------------------------|----------|----------------|------------------|
| 30B50056US | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro M4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B50057US | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K1200 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B50058US | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B50059US | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M2000 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B5005AUS | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro M5000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x512GB SSD 2.5" SATA6Gbps      | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B5005BUS | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K1200 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B5005CUS | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro M2000 4GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B5005DUS | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | Open                    | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B5005EUS | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | Open                    | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B5005FUS | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro M4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x512GB SSD 2.5" SATA6Gbps      | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B5005GUS | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro K620 2GB  | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |
| 30B5005HUS | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro M2000 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Oct 20, 2022   | 09/16            |

| Model      | Region | Processor                                     | Graphics                 | Memory                    | Storage Controller | Max Drives in 3.5" Bays | Disks                         | M.2 Drives                         | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Keyboard / Mouse | Operating System               | Warranty | End of Support | Ann Date (mm/yy) |
|------------|--------|---|--------------------------|---------------------------|--------------------|-------------------------|-------------------------------|------------------------------------|-----------|--------------|--------------|--------------|-------------------|------------------|--------------------------------|----------|----------------|------------------|
| 30B5005KUS | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | Open                     | 2x8GB RDIMM DDR4-2400 ECC | 9364-8i PCIe       | 4                       | Open                          | 1x1TB SSD<br>M.2 PCIe<br>NVMe Opal | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Jan 5, 2023    | 12/16            |
| 30B5005LUS | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | Open                     | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | Open                          | 1x1TB SSD<br>M.2 PCIe<br>NVMe Opal | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Jan 5, 2023    | 12/16            |
| 30B5005MUS | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | Open                     | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | Open                          | 1x1TB SSD<br>M.2 PCIe<br>NVMe Opal | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Jan 5, 2023    | 12/16            |
| 30B5005NUS | US     | Xeon E5-1607 v4 4C/3.1GHz/10MB/140W/DDR4-2133 | Open                     | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | Open                          | 1x1TB SSD<br>M.2 PCIe<br>NVMe Opal | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Jan 5, 2023    | 12/16            |
| 30B5005PUS | US     | Xeon E5-1607 v4 4C/3.1GHz/10MB/140W/DDR4-2133 | NVIDIA Quadro P5000 16GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | Open                          | 1x1TB SSD<br>M.2 PCIe<br>NVMe Opal | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Jan 5, 2023    | 12/16            |
| 30B5005QUS | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro P5000 16GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | Open                          | 1x1TB SSD<br>M.2 PCIe<br>NVMe Opal | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Jan 5, 2023    | 12/16            |
| 30B5005RUS | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | Open                     | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | Open                          | 1x1TB SSD<br>M.2 PCIe<br>NVMe Opal | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Jan 5, 2023    | 12/16            |
| 30B5005SUS | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | Open                     | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | Open                          | 1x1TB SSD<br>M.2 PCIe<br>NVMe Opal | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Jan 5, 2023    | 12/16            |
| 30B5005VUS | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P600 2GB   | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                               | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |
| 30B5005WUS | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P2000 5GB  | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x512GB SSD 2.5" SATA6Gbps    | None                               | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |
| 30B5005XUS | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro P2000 5GB  | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                               | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |
| 30B5005YUS | US     | Xeon E5-1620 v4 4C/3.5GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P4000 8GB  | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                               | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |



| Model      | Region | Processor                                     | Graphics                | Memory                    | Storage Controller | Max Drives in 3.5" Bays | Disks                           | M.2 Drives | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Keyboard / Mouse | Operating System               | Warranty | End of Support | Ann Date (mm/yy) |
|------------|--------|---|-------------------------|---------------------------|--------------------|-------------------------|---------------------------------|------------|-----------|--------------|--------------|--------------|-------------------|------------------|--------------------------------|----------|----------------|------------------|
| 30B50060US | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro P4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |
| 30B50061US | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro P2000 5GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |
| 30B50062US | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x512GB SSD SATA6Gbps           | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |
| 30B50063US | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro P2000 5GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |
| 30B50064US | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P2000 5GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |
| 30B50065US | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P1000 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |
| 30B50066US | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P2000 5GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |
| 30B50067US | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P1000 4GB | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |
| 30B50068US | US     | Xeon E5-1650 v4 6C/3.6GHz/15MB/140W/DDR4-2400 | NVIDIA Quadro P4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x512GB SSD 2.5" SATA6Gbps      | None       | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |
| 30B50069US | US     | Xeon E5-1607 v4 4C/3.1GHz/10MB/140W/DDR4-2133 | NVIDIA Quadro P600 2GB  | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |
| 30B5006AUS | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P600 2GB  | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |
| 30B5006BUS | US     | Xeon E5-1630 v4 4C/3.7GHz/10MB/140W/DDR4-2400 | NVIDIA Quadro P600 2GB  | 1x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None       | HH DVD±RW | 9-in-1       | 490W 90%     | None         | None              | USB / USB        | Windows 10 DG Windows 7 Pro 64 | 3-year   | Apr 24, 2022   | 04/17            |

| Model      | Region | Processor   | Graphics                | Memory                           | Storage Controller | Max Drives in 3.5" Bays | Disks                               | M.2 Drives                   | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Keyboard / Mouse | Operating System                  | Warranty | End of Support  | Ann Date (mm/yy) |
|------------|--------|---|-------------------------|----------------------------------|--------------------|-------------------------|-------------------------------------|------------------------------|-----------|--------------|--------------|--------------|-------------------|------------------|-----------------------------------|----------|-----------------|------------------|
| 30B5006CUS | US     | Xeon E5-1630 v4 4C/3.7GHz/<br>10MB/140W/DDR4-2400 | NVIDIA Quadro P4000 8GB | 2x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps | None                         | HH DVD±RW | 9-in-1       | 650W<br>92%  | None         | None              | USB / USB        | Windows 10<br>DG Windows 7 Pro 64 | 3-year   | Apr 24,<br>2022 | 04/17            |
| 30B5006HUS | US     | Xeon E5-1650 v4 6C/3.6GHz/<br>15MB/140W/DDR4-2400 | Open                    | 1x16GB RDIMM<br>DDR4-2400<br>ECC | Onboard SATA       | 4                       | Open                                | 1x512GB SSD M.2<br>PCIe      | HH DVD±RW | 9-in-1       | 650W<br>92%  | None         | None              | USB / USB        | Windows 10<br>DG Windows 7 Pro 64 | 3-year   | Jul 31,<br>2022 | 07/17            |
| 30B5006JUS | US     | Xeon E5-1630 v4 4C/3.7GHz/<br>10MB/140W/DDR4-2400 | Open                    | 1x16GB RDIMM<br>DDR4-2400<br>ECC | Onboard SATA       | 4                       | Open                                | 1x256GB SSD M.2<br>PCIe Opal | HH DVD±RW | 9-in-1       | 650W<br>92%  | None         | None              | USB / USB        | Windows 10<br>DG Windows 7 Pro 64 | 3-year   | Jul 31,<br>2022 | 07/17            |
| 30B5006KUS | US     | Xeon E5-1620 v4 4C/3.5GHz/<br>10MB/140W/DDR4-2400 | Open                    | 1x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | 4                       | Open                                | 1x256GB SSD M.2<br>PCIe Opal | HH DVD±RW | 9-in-1       | 650W<br>92%  | None         | None              | USB / USB        | Windows 10<br>DG Windows 7 Pro 64 | 3-year   | Jul 31,<br>2022 | 07/17            |

# ThinkStation P710 Platform Specifications

| Components   | Specification   |   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|--|---|---|---|--|------------------------|--|--------------|---------|----|-----|-------|------|--|---------|----|-----|-------|-----------------|--|---------|-----|-----|-----|-----------|--|---------|------|-----|-----|-----------|--|-------------|-----|-----|-----|-------------|--|-------------|-----|-----|-----|-------------|--|--------------|-----|-----|-----|-----------|--|--------------|-----|-----|-----|---------------|--|--------------|------|-----|------|---------------|--|--------------|------|-----|------|------------------------|-----|--------------|-----|-----|-----|------|--|--------------|------|-----|------|------|--|--------------|------|-----|------|---------------|-----|--------------|------|------|------|---------------|-----|-------------|-----|-----|-----|----------|--|-------------|-----|-----|-----|----------|--|--------------|-----|-----|-----|----------|--|--------------|------|-----|-----|------|--|--------------|------|-----|------|------|-----|--------------|------|------|------|---------------|-----|--------------|------|------|------|---------------|-----|-----------|------|------|------|--|--|
| Chipset  | Intel C612 Platform Controller Hub (PCH)  |   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| System mgmt  | Intel Active Management Technology 9  |   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Processor  | Up to two 145W <b>Intel Xeon E5-2600 v4</b> family processors. Each processor supports up to 22 cores up to 2.2GHz, 16 cores up to 2.6GHz, 14 cores up to 2.6GHz, 12 cores up to 2.2GHz, 10 cores up to 2.4GHz, 8 cores up to 3.2GHz, 6 cores up to 3.4GHz, 4 cores up to 3.5GHz.<br>Or up to two Intel Xeon E5-2620 v3 or E5-2609 v3 processors (not available in EMEA)  |   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Coprocessor  | None  |   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Memory DIMM slots  | 12 DIMM sockets (6 DIMMs per processor), 8-channel capable (4-channel per processor). RDIMM, ECC, DDR4-2400   |   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Memory capacity  | 384GB, 2nd CPU is needed  |   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Graphics, GPU computing  | Three PCIe 3.0 x16 slots, two via CPU1, one via CPU2.<br>Up to three graphics and GPU computing adapters, 2nd CPU is needed   |   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | <table border="1"> <thead> <tr> <th>PSU</th> <th>Maximum quantity of PCIe x16 adapters per system (by power)</th> </tr> </thead> <tbody> <tr> <td>650W 1x150W+2x75W with onboard SATA controller and up to two 120W CPU each</td> <td>1x150W+2x75W</td> </tr> <tr> <td>850W 1x300W+2x75W (up to two 120W CPU each), or 2x150W+1x75W</td> <td>1x300W+2x75W</td> </tr> </tbody> </table>  | PSU   | Maximum quantity of PCIe x16 adapters per system (by power) | 650W 1x150W+2x75W with onboard SATA controller and up to two 120W CPU each | 1x150W+2x75W           | 850W 1x300W+2x75W (up to two 120W CPU each), or 2x150W+1x75W | 1x300W+2x75W |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| PSU  | Maximum quantity of PCIe x16 adapters per system (by power)   |   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| 650W 1x150W+2x75W with onboard SATA controller and up to two 120W CPU each | 1x150W+2x75W  |   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| 850W 1x300W+2x75W (up to two 120W CPU each), or 2x150W+1x75W               | 1x300W+2x75W  |   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Supporting Graphics and GPU computing                                      | <table border="1"> <thead> <tr> <th>Adapter</th> <th>Cores</th> <th>Memory</th> <th>Power</th> <th>Connector***</th> <th>SLI</th> </tr> </thead> <tbody> <tr> <td>NVS 310</td> <td>48</td> <td>1GB</td> <td>19.5W</td> <td>2xDP</td> <td></td> </tr> <tr> <td>NVS 315</td> <td>48</td> <td>1GB</td> <td>19.5W</td> <td>2xDVI-I SL/2xDP</td> <td></td> </tr> <tr> <td>NVS 510</td> <td>192</td> <td>2GB</td> <td>35W</td> <td>4xmini DP</td> <td></td> </tr> <tr> <td>NVS 810</td> <td>1024</td> <td>4GB</td> <td>68W</td> <td>8xmini DP</td> <td></td> </tr> <tr> <td>Quadro K420</td> <td>192</td> <td>2GB</td> <td>41W</td> <td>DVI-I DL+DP</td> <td></td> </tr> <tr> <td>Quadro K620</td> <td>384</td> <td>2GB</td> <td>45W</td> <td>DVI-I DL+DP</td> <td></td> </tr> <tr> <td>Quadro K1200</td> <td>512</td> <td>4GB</td> <td>45W</td> <td>4xmini DP</td> <td></td> </tr> <tr> <td>Quadro K2200</td> <td>640</td> <td>4GB</td> <td>68W</td> <td>DVI-I DL+2xDP</td> <td></td> </tr> <tr> <td>Quadro K4200</td> <td>1344</td> <td>4GB</td> <td>108W</td> <td>DVI-I DL+2xDP</td> <td></td> </tr> <tr> <td>Quadro K5200</td> <td>2304</td> <td>8GB</td> <td>150W</td> <td>DVI-I DL+DVI-D DL+2xDP</td> <td>SLI</td> </tr> <tr> <td>Quadro M2000</td> <td>768</td> <td>4GB</td> <td>75W</td> <td>4xDP</td> <td></td> </tr> <tr> <td>Quadro M4000</td> <td>1664</td> <td>8GB</td> <td>120W</td> <td>4xDP</td> <td></td> </tr> <tr> <td>Quadro M5000</td> <td>2048</td> <td>8GB</td> <td>150W</td> <td>DVI-I DL+4xDP</td> <td>SLI</td> </tr> <tr> <td>Quadro M6000</td> <td>3072</td> <td>24GB</td> <td>250W</td> <td>DVI-I DL+4xDP</td> <td>SLI</td> </tr> <tr> <td>Quadro P400</td> <td>256</td> <td>2GB</td> <td>30W</td> <td>3xminiDP</td> <td></td> </tr> <tr> <td>Quadro P600</td> <td>384</td> <td>2GB</td> <td>40W</td> <td>4xminiDP</td> <td></td> </tr> <tr> <td>Quadro P1000</td> <td>640</td> <td>4GB</td> <td>47W</td> <td>4xminiDP</td> <td></td> </tr> <tr> <td>Quadro P2000</td> <td>1024</td> <td>5GB</td> <td>75W</td> <td>4xDP</td> <td></td> </tr> <tr> <td>Quadro P4000</td> <td>1792</td> <td>8GB</td> <td>105W</td> <td>4xDP</td> <td>SLI</td> </tr> <tr> <td>Quadro P5000</td> <td>2560</td> <td>16GB</td> <td>180W</td> <td>DVI-D DL+4xDP</td> <td>SLI</td> </tr> <tr> <td>Quadro P6000</td> <td>3840</td> <td>24GB</td> <td>250W</td> <td>DVI-D DL+4xDP</td> <td>SLI</td> </tr> <tr> <td>Tesla K40</td> <td>2880</td> <td>12GB</td> <td>235W</td> <td></td> <td></td> </tr> </tbody> </table> | Adapter   | Cores   | Memory   | Power                  | Connector***   | SLI          | NVS 310 | 48 | 1GB | 19.5W | 2xDP |  | NVS 315 | 48 | 1GB | 19.5W | 2xDVI-I SL/2xDP |  | NVS 510 | 192 | 2GB | 35W | 4xmini DP |  | NVS 810 | 1024 | 4GB | 68W | 8xmini DP |  | Quadro K420 | 192 | 2GB | 41W | DVI-I DL+DP |  | Quadro K620 | 384 | 2GB | 45W | DVI-I DL+DP |  | Quadro K1200 | 512 | 4GB | 45W | 4xmini DP |  | Quadro K2200 | 640 | 4GB | 68W | DVI-I DL+2xDP |  | Quadro K4200 | 1344 | 4GB | 108W | DVI-I DL+2xDP |  | Quadro K5200 | 2304 | 8GB | 150W | DVI-I DL+DVI-D DL+2xDP | SLI | Quadro M2000 | 768 | 4GB | 75W | 4xDP |  | Quadro M4000 | 1664 | 8GB | 120W | 4xDP |  | Quadro M5000 | 2048 | 8GB | 150W | DVI-I DL+4xDP | SLI | Quadro M6000 | 3072 | 24GB | 250W | DVI-I DL+4xDP | SLI | Quadro P400 | 256 | 2GB | 30W | 3xminiDP |  | Quadro P600 | 384 | 2GB | 40W | 4xminiDP |  | Quadro P1000 | 640 | 4GB | 47W | 4xminiDP |  | Quadro P2000 | 1024 | 5GB | 75W | 4xDP |  | Quadro P4000 | 1792 | 8GB | 105W | 4xDP | SLI | Quadro P5000 | 2560 | 16GB | 180W | DVI-D DL+4xDP | SLI | Quadro P6000 | 3840 | 24GB | 250W | DVI-D DL+4xDP | SLI | Tesla K40 | 2880 | 12GB | 235W |  |  |
|  | Adapter   | Cores   | Memory  | Power  | Connector***           | SLI  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | NVS 310   | 48  | 1GB   | 19.5W  | 2xDP                   |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | NVS 315   | 48  | 1GB   | 19.5W  | 2xDVI-I SL/2xDP        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | NVS 510   | 192   | 2GB   | 35W  | 4xmini DP              |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | NVS 810   | 1024  | 4GB   | 68W  | 8xmini DP              |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | Quadro K420   | 192   | 2GB   | 41W  | DVI-I DL+DP            |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | Quadro K620   | 384   | 2GB   | 45W  | DVI-I DL+DP            |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | Quadro K1200  | 512   | 4GB   | 45W  | 4xmini DP              |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | Quadro K2200  | 640   | 4GB   | 68W  | DVI-I DL+2xDP          |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | Quadro K4200  | 1344  | 4GB   | 108W   | DVI-I DL+2xDP          |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | Quadro K5200  | 2304  | 8GB   | 150W   | DVI-I DL+DVI-D DL+2xDP | SLI  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | Quadro M2000  | 768   | 4GB   | 75W  | 4xDP                   |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | Quadro M4000  | 1664  | 8GB   | 120W   | 4xDP                   |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | Quadro M5000  | 2048  | 8GB   | 150W   | DVI-I DL+4xDP          | SLI  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | Quadro M6000  | 3072  | 24GB  | 250W   | DVI-I DL+4xDP          | SLI  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | Quadro P400   | 256   | 2GB   | 30W  | 3xminiDP               |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | Quadro P600   | 384   | 2GB   | 40W  | 4xminiDP               |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | Quadro P1000  | 640   | 4GB   | 47W  | 4xminiDP               |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | Quadro P2000  | 1024  | 5GB   | 75W  | 4xDP                   |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro P4000   | 1792  | 8GB   | 105W  | 4xDP   | SLI                    |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro P5000   | 2560  | 16GB  | 180W  | DVI-D DL+4xDP  | SLI                    |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro P6000   | 3840  | 24GB  | 250W  | DVI-D DL+4xDP  | SLI                    |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Tesla K40  | 2880  | 12GB  | 235W  |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Disk drive controller  | <b>RAID 0, 1, 5, 10</b> with onboard SATA controller in chipset, SATA 6Gb/s.<br><b>RAID 0, 1, 5, 10</b> with optional LSI RAID flex adapter, 12Gb/s SAS and SATA.<br><b>RAID 0, 1, 5, 6, 10</b> with optional LSI 9364-8i PCIe adapter, 1GB memory, 12Gb/s SAS and SATA   |   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Drive Bays   | Two external 5.25" flex bays, four 3.5" internal bays. Each 3.5" bay can support dual drives on selected models (see right)   |   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Flex bay   | Two 5.25" flex bays for optical drives, Front Access Storage Enclosure drives, Flex Bay Storage Enclosure drives, or flex module.<br>• Up to two half-height optical drives or up to one 9.5mm optical drive, DVD-ROM, DVD±RW, or Blu-Ray burner<br>• Up to one Front Access Storage Enclosure for one 3.5" or 2.5" SATA drive.<br>• Up to two Flex Bay Storage Enclosure for two 3.5" or 2.5" SATA drives.   |   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Supporting storage   | 3.5" SATA HDD, 7.2K 6Gbs  | 500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid                       |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | 2.5" SAS HDD, 15K 12Gbs   | 300GB/600GB   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | 2.5" SAS SSD, 12Gbs   | 200GB/400GB/800GB   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | 2.5" SAS HDD, 10K 12Gbs   | 300GB   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | 2.5" SSD, SATA6Gbs  | 180GB/240GB/256GB/480GB/512GB with OPAL, 256GB/512GB/1TB without OPAL |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | PCIe SSD, 2.5"  | 400GB   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|  | PCIe SSD, M.2   | 256 GB/512GB/1TB  |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| PCIe SSD adapter   | 400GB (up to 4 per system, 2nd CPU is needed)   |   |   |  |                        |  |              |         |    |     |       |      |  |         |    |     |       |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |

| Components                  | Specification  |                                      |
|-----------------------------|--|--------------------------------------|
| Flex connector              | One flex connectors (see right), supports one of the following:<br>• Up to one LSI RAID flex adapter for SATA/SAS RAID<br>• Up to one Multi-I/O flex adapters for two PCIe SSD<br>• Up to one M.2 flex adapters for two M.2 PCIe SSD   |                                      |
| Network interfaces          | Integrated two-port gigabit ethernet (Intel i218LM and i210AT), supports Wake-on-LAN. Optional discrete ethernet adapters are available  |                                      |
| HD Audio                    | Realtek ALC662 codec   |                                      |
| TPM                         | TCG 1.2-compliant  |                                      |
| Power supply                | One fixed 650 watts or 850 watts, autosensing, 92%, 80 PLUS Platinum qualified   |                                      |
| Front ports                 | Four USB 3.0 (one Diagnostic, one Always On), one combo audio/microphone jack (3.5mm)  |                                      |
| Rear ports                  | Four USB 2.0, four USB 3.0 (blue), one serial (9-pin), two ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in), two PS/2  |                                      |
| Add-on ports                | Supports the following optional ports:<br>Two IEEE 1394 (one on rear and one on front flex module) via PCIe adapter, up to one adapter per system.<br>Two rear USB 3.0 per PCIe adapter, up to three adapters per system.<br>One rear Thunderbolt via PCIe adapter.<br>One front eSATA (on flex module), or one rear eSATA via cable (also needs one PCIe slot), up to one eSATA port per system.<br>One internal USB 3.0 port via cable, cannot be intermixed with 29-in-1 reader |                                      |
| Media reader                | 9-in-1 USB 2.0 card reader. Optional 29-in-1 USB 3.0 card reader on flex module  |                                      |
| Mechanical                  | • 36-liter: 175mm/6.89" W x 485mm/19.1" D x 446mm/17.6" H (with feet)<br>• Tool-less parts: all except CPU fansink<br>• 52.25 lb (23.7kg) max configuration  |                                      |
| Environmental specification | Temperature - operating  | 50 °F to 95 °F (10 °C to 35 °C)      |
|                             | Temperature - non operating (no package)   | 14 °F to 140 °F (-10 °C to 60 °C)    |
|                             | Temperature - non operating (with package)   | -40 °F to 140 °F (-40 °C to 60 °C)   |
|                             | Altitude - operating   | (Unpressurized): 0-10000ft (0-3048m) |
|                             | Humidity - operating   | 10%-80%, non-condensing              |
|                             | Humidity - storage (with package)  | 10%-90%, non-condensing              |
|                             | RoHS-compliant, GREENGUARD on all models. EPEAT Gold rating, ENERGY STAR 6.1 qualified on selected models.   |                                      |
| Base warranty               | 3-year limited onsite service with 9x5/NBD   |                                      |
| ISV certifications          | Please visit <a href="http://www.thinkworkstations.com/isv-certifications/">www.thinkworkstations.com/isv-certifications/</a>  |                                      |

**Expansion slots**  
Slot 1: PCIe 3.0 x16, half length, full height, CPU2 needed (full length, full height if no flex adapter)  
Slot 2: PCIe 3.0 x16, full length, full height  
Slot 3: PCIe 3.0 x8, full length, full height, CPU2 needed  
Slot 4: PCIe 3.0 x16, full length, full height  
Slot 5: PCI, full length, full height  
Slot 6: PCIe 2.0 x4, half length, full height  
Also supports one flex connector

**Drive Bays**  
HDD 1-4: Standard 3.5" HDD bay, up to four 3.5" or 2.5" disk drives.  
On selected models, each 3.5" bay can supports 2.5" (9mm or less) drive plus 3.5" drive, or two 2.5" (15mm or less) drives.  
Flex bay: Two 5.25" flex bays, for HH optical drives.  
Or up to one optional flex module (Flex module supports one or more of the following options: 9.5mm optical/29-in-1 USB 3.0 reader/front IEEE 1394/front eSATA).  
Or up to two HDD bays for two drives, 3.5" or 2.5" each, SATA only.

| Model      | Region | Processor   | Graphics                      | Memory                             | Storage Controller | Max Drives in 3.5" Bays | Disks                                    | M.2 Drives                 | Optical      | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Keyboard / Mouse | Operating System                        | Warranty | Ann Date (mm/yy) |
|------------|--------|---|-------------------------------|------------------------------------|--------------------|-------------------------|--|----------------------------|--------------|--------------|--------------|--------------|-------------------|------------------|---|----------|------------------|
| 30B7000RUS | US     | 2xXeon E5-2623 v4<br>4C/2.6GHz/10MB/85W/DDR4-2133   | Open                          | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC | Onboard<br>SATA    | 4                       | 1x256GB SSD<br>2.5"<br>SATA6Gbps<br>Opal | None                       | HH<br>DVD±RW | 9-in-1       | 650W<br>92%  | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/16            |
| 30B7000SUS | US     | 1xXeon E5-2623 v4<br>4C/2.6GHz/10MB/85W/DDR4-2133   | Open                          | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC | Onboard<br>SATA    | 4                       | 1x256GB SSD<br>2.5"<br>SATA6Gbps<br>Opal | None                       | HH<br>DVD±RW | 9-in-1       | 650W<br>92%  | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/16            |
| 30B7000TUS | US     | 2xXeon E5-2620 v4<br>8C/2.1GHz/20MB/85W/DDR4-2133   | Open                          | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC | Onboard<br>SATA    | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps      | None                       | HH<br>DVD±RW | 9-in-1       | 850W<br>92%  | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/16            |
| 30B7000UUS | US     | 2xXeon E5-2637 v4<br>4C/3.5GHz/15MB/135W/DDR4-2400  | Open                          | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC | Onboard<br>SATA    | 4                       | 1x256GB SSD<br>2.5"<br>SATA6Gbps<br>Opal | None                       | HH<br>DVD±RW | 9-in-1       | 850W<br>92%  | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/16            |
| 30B7000VUS | US     | 1xXeon E5-2637 v4<br>4C/3.5GHz/15MB/135W/DDR4-2400  | Open                          | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC | Onboard<br>SATA    | 4                       | 1x256GB SSD<br>2.5"<br>SATA6Gbps<br>Opal | None                       | HH<br>DVD±RW | 9-in-1       | 850W<br>92%  | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/16            |
| 30B7000WUS | US     | 2xXeon E5-2643 v4<br>6C/3.4GHz/20MB/135W/DDR4-2400  | NVIDIA<br>Quadro<br>M4000 8GB | 4x8GB<br>RDIMM<br>DDR4-2400<br>ECC | Onboard<br>SATA    | 4                       | 1x1TB SSD<br>2.5"<br>SATA6Gbps           | None                       | HH<br>DVD±RW | 9-in-1       | 850W<br>92%  | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/16            |
| 30B7000XUS | US     | 2xXeon E5-2623 v4<br>4C/2.6GHz/10MB/85W/DDR4-2133   | NVIDIA<br>Quadro<br>M2000 4GB | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC | Onboard<br>SATA    | 4                       | 1x256GB SSD<br>2.5"<br>SATA6Gbps<br>Opal | None                       | HH<br>DVD±RW | 9-in-1       | 650W<br>92%  | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/16            |
| 30B7000YUS | US     | 1xXeon E5-2620 v4<br>8C/2.1GHz/20MB/85W/DDR4-2133   | Open                          | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC | Onboard<br>SATA    | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps      | None                       | HH<br>DVD±RW | 9-in-1       | 850W<br>92%  | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/16            |
| 30B7001MUS | US     | 1xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA<br>Quadro<br>M4000 8GB | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC | Onboard<br>SATA    | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps      | 1x256GB<br>SSD M.2<br>PCIe | HH<br>DVD±RW | 9-in-1       | 850W<br>92%  | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 07/16            |
| 30B7001NUS | US     | 2xXeon E5-2620 v4<br>8C/2.1GHz/20MB/85W/DDR4-2133   | Open                          | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC | Onboard<br>SATA    | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps      | 1x256GB<br>SSD M.2<br>PCIe | HH<br>DVD±RW | 9-in-1       | 850W<br>92%  | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 07/16            |
| 30B7001PUS | US     | 2xXeon E5-2620 v4<br>8C/2.1GHz/20MB/85W/DDR4-2133   | NVIDIA<br>Quadro<br>M2000 4GB | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC | Onboard<br>SATA    | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps      | 1x256GB<br>SSD M.2<br>PCIe | HH<br>DVD±RW | 9-in-1       | 850W<br>92%  | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 07/16            |
| 30B70023US | US     | 2xXeon E5-2620 v4<br>8C/2.1GHz/20MB/85W/DDR4-2133   | Open                          | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC | Onboard<br>SATA    | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps      | 1x256GB<br>SSD M.2<br>PCIe | HH<br>DVD±RW | 9-in-1       | 850W<br>92%  | None         | None              | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 09/16            |
| 30B70024US | US     | 1xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA<br>Quadro<br>M4000 8GB | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC | Onboard<br>SATA    | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps      | 1x256GB<br>SSD M.2<br>PCIe | HH<br>DVD±RW | 9-in-1       | 850W<br>92%  | None         | None              | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 09/16            |

| Model      | Region | Processor   | Graphics                 | Memory                     | Storage Controller | Max Drives in 3.5" Bays | Disks                           | M.2 Drives                   | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Keyboard / Mouse | Operating System                  | Warranty | Ann Date (mm/yy) |
|------------|--------|---|--------------------------|----------------------------|--------------------|-------------------------|---------------------------------|------------------------------|-----------|--------------|--------------|--------------|-------------------|------------------|-----------------------------------|----------|------------------|
| 30B70025US | US     | 2xXeon E5-2620 v4<br>8C/2.1GHz/20MB/85W/DDR4-2133   | NVIDIA Quadro M2000 4GB  | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | 1x256GB SSD M.2 PCIe         | HH DVD±RW | 9-in-1       | 850W 92%     | None         | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 09/16            |
| 30B70029US | US     | 2xXeon E5-2623 v4<br>4C/2.6GHz/10MB/85W/DDR4-2133   | NVIDIA Quadro P5000 16GB | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 4                       | Open                            | 1x1TB SSD M.2 PCIe NVMe Opal | HH DVD±RW | 9-in-1       | 850W 92%     | 1xeSATA Rear | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 12/16            |
| 30B7002AUS | US     | 1xXeon E5-2623 v4<br>4C/2.6GHz/10MB/85W/DDR4-2133   | NVIDIA Quadro M2000 4GB  | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 4                       | 1x512GB SSD 2.5" SATA6Gbps      | None                         | HH DVD±RW | 9-in-1       | 850W 92%     | None         | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 12/16            |
| 30B7002BUS | US     | 1xXeon E5-2623 v4<br>4C/2.6GHz/10MB/85W/DDR4-2133   | NVIDIA Quadro P5000 16GB | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 4                       | Open                            | 1x1TB SSD M.2 PCIe NVMe Opal | HH DVD±RW | 9-in-1       | 850W 92%     | 1xeSATA Rear | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 12/16            |
| 30B7002CUS | US     | 1xXeon E5-2623 v4<br>4C/2.6GHz/10MB/85W/DDR4-2133   | NVIDIA Quadro M2000 4GB  | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None                         | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 12/16            |
| 30B7002DUS | US     | 2xXeon E5-2637 v4<br>4C/3.5GHz/15MB/135W/DDR4-2400  | NVIDIA Quadro P5000 16GB | 2x16GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | Open                            | 1x1TB SSD M.2 PCIe NVMe Opal | HH DVD±RW | 9-in-1       | 850W 92%     | 1xeSATA Rear | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 12/16            |
| 30B7002EUS | US     | 1xXeon E5-2623 v4<br>4C/2.6GHz/10MB/85W/DDR4-2133   | NVIDIA Quadro M2000 4GB  | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None                         | HH DVD±RW | 9-in-1       | 850W 92%     | None         | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 12/16            |
| 30B7002FUS | US     | 2xXeon E5-2643 v4<br>6C/3.4GHz/20MB/135W/DDR4-2400  | NVIDIA Quadro M4000 8GB  | 4x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | None                         | HH DVD±RW | 9-in-1       | 850W 92%     | None         | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 12/16            |
| 30B7002GUS | US     | 1xXeon E5-2623 v4<br>4C/2.6GHz/10MB/85W/DDR4-2133   | Open                     | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 4                       | Open                            | 1x1TB SSD M.2 PCIe NVMe Opal | HH DVD±RW | 9-in-1       | 850W 92%     | 1xeSATA Rear | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 12/16            |
| 30B7002MUS | US     | 2xXeon E5-2623 v4<br>4C/2.6GHz/10MB/85W/DDR4-2133   | NVIDIA Quadro P2000 5GB  | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None                         | HH DVD±RW | 9-in-1       | 850W 92%     | None         | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B7002NUS | US     | 1xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA Quadro P4000 8GB  | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps   | 1x256GB SSD M.2 PCIe         | HH DVD±RW | 9-in-1       | 850W 92%     | None         | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B7002PUS | US     | 1xXeon E5-2623 v4<br>4C/2.6GHz/10MB/85W/DDR4-2133   | NVIDIA Quadro P2000 5GB  | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 4                       | 1x512GB SSD 2.5" SATA6Gbps      | None                         | HH DVD±RW | 9-in-1       | 850W 92%     | None         | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B7002QUS | US     | 2xXeon E5-2623 v4<br>4C/2.6GHz/10MB/85W/DDR4-2133   | NVIDIA Quadro P2000 5GB  | 2x8GB RDIMM DDR4-2400 ECC  | Onboard SATA       | 4                       | 1x256GB SSD 2.5" SATA6Gbps Opal | None                         | HH DVD±RW | 9-in-1       | 650W 92%     | None         | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |

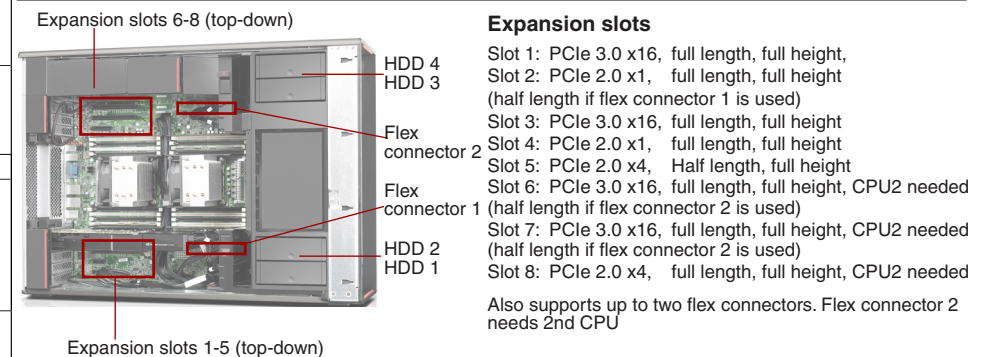
| Model      | Region | Processor   | Graphics                | Memory                    | Storage Controller | Max Drives in 3.5" Bays | Disks                         | M.2 Drives           | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Keyboard / Mouse | Operating System                  | Warranty | Ann Date (mm/yy) |
|------------|--------|---|-------------------------|---------------------------|--------------------|-------------------------|-------------------------------|----------------------|-----------|--------------|--------------|--------------|-------------------|------------------|-----------------------------------|----------|------------------|
| 30B7002RUS | US     | 1xXeon E5-2620 v4<br>8C/2.1GHz/20MB/85W/DDR4-2133   | NVIDIA Quadro P2000 5GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                 | HH DVD±RW | 9-in-1       | 850W 92%     | None         | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B7002SUS | US     | 2xXeon E5-2643 v4<br>6C/3.4GHz/20MB/135W/DDR4-2400  | NVIDIA Quadro P4000 8GB | 4x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                 | HH DVD±RW | 9-in-1       | 850W 92%     | None         | None              | USB / USB        | Windows 10 Pro 64                 | 3-year   | 04/17            |
| 30B7002TUS | US     | 2xXeon E5-2643 v4<br>6C/3.4GHz/20MB/135W/DDR4-2400  | NVIDIA Quadro P4000 8GB | 4x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps | None                 | HH DVD±RW | 9-in-1       | 850W 92%     | None         | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B7002UUS | US     | 2xXeon E5-2623 v4<br>4C/2.6GHz/10MB/85W/DDR4-2133   | NVIDIA Quadro P2000 5GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x512GB SSD 2.5" SATA6Gbps    | None                 | HH DVD±RW | 9-in-1       | 850W 92%     | None         | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B7002VUS | US     | 1xXeon E5-2620 v4<br>8C/2.1GHz/20MB/85W/DDR4-2133   | NVIDIA Quadro P2000 5GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps | 1x256GB SSD M.2 PCIe | HH DVD±RW | 9-in-1       | 850W 92%     | None         | None              | USB / USB        | Windows 10 DG<br>Windows 7 Pro 64 | 3-year   | 04/17            |
| 30B7002WUS | US     | 1xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA Quadro P4000 8GB | 2x8GB RDIMM DDR4-2400 ECC | Onboard SATA       | 4                       | 1x1TB HDD 7.2K 3.5" SATA6Gbps | 1x256GB SSD M.2 PCIe | HH DVD±RW | 9-in-1       | 850W 92%     | None         | None              | USB / USB        | Windows 10 Pro 64                 | 3-year   | 04/17            |

# ThinkStation P910 Platform Specifications

Product Specifications Reference (PSREF)

| Components                            | Specification   |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
|---------------------------------------|---|--------------------------|---|-------------------------|------------------------|-------------------------|---|---------------------|-------------------|--------------------|---|----------------|-------|---------------|------------------|------------------|---|-----------------|--|---------|-----|-----|-----|-----------|--|---------|------|-----|-----|-----------|--|-------------|-----|-----|-----|-------------|--|-------------|-----|-----|-----|-------------|--|--------------|-----|-----|-----|-----------|--|--------------|-----|-----|-----|---------------|--|--------------|------|-----|------|---------------|--|--------------|------|-----|------|------------------------|-----|--------------|-----|-----|-----|------|--|--------------|------|-----|------|------|--|--------------|------|-----|------|---------------|-----|--------------|------|------|------|---------------|-----|-------------|-----|-----|-----|----------|--|-------------|-----|-----|-----|----------|--|--------------|-----|-----|-----|----------|--|--------------|------|-----|-----|------|--|--------------|------|-----|------|------|-----|--------------|------|------|------|---------------|-----|--------------|------|------|------|---------------|-----|-----------|------|------|------|--|--|
| Chipset                               | Intel C612 Platform Controller Hub (PCH)  |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| System mgmt                           | Intel Active Management Technology 9  |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Processor                             | Up to two 160W <b>Intel Xeon E5-2600 v4</b> family processors. Each processor supports up to 22 cores up to 2.2GHz, 16 cores up to 2.6GHz, 14 cores up to 2.6GHz, 12 cores up to 3GHz, 10 cores up to 2.4GHz, 8 cores up to 3.2GHz, 6 cores up to 3.4GHz, 4 cores up to 3.5GHz.<br>Or up to two Intel Xeon E5-2620 v3 or E5-2609 v3 processors (not available in EMEA)  |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Coprocessor                           | Optional. Up to one Intel Xeon Phi Coprocessor 3120A, PCIe 2.0 x16 adapter, 57 cores, 1.1GHz, 28.5MB L2 cache, 6GB memory, 300W   |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Memory DIMM slots                     | 16 DIMM sockets (8 DIMMs per processor), 8-channel capable (4-channel per processor). RDIMM or LRDIMM (cannot be intermixed), ECC, DDR4, 2400MHz  |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Memory capacity                       | 896GB (LRDIMM, 14x64GB)/512GB (RDIMM, 16x32GB), 2nd CPU is needed   |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Graphics and GPU computing            | Four PCIe 3.0 x16 slots for graphics and GPU computing cards, two slots per processor<br><table border="1"> <thead> <tr> <th>Installed CPU</th> <th>Maximum quantity of PCIe x16 adapters per system (by power)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1x300W+1x75W or 2x150W</td> </tr> <tr> <td>2</td> <td>2x300W+2x75W, or 1x300W+2x150W+1x75W, or 4x150W</td> </tr> </tbody> </table>  | Installed CPU            | Maximum quantity of PCIe x16 adapters per system (by power) | 1                       | 1x300W+1x75W or 2x150W | 2                       | 2x300W+2x75W, or 1x300W+2x150W+1x75W, or 4x150W |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Installed CPU                         | Maximum quantity of PCIe x16 adapters per system (by power)   |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| 1                                     | 1x300W+1x75W or 2x150W  |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| 2                                     | 2x300W+2x75W, or 1x300W+2x150W+1x75W, or 4x150W   |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Supporting Graphics and GPU computing | <table border="1"> <thead> <tr> <th>Adapter</th> <th>Cores</th> <th>Memory</th> <th>Power</th> <th>Connector***</th> <th>SLI</th> </tr> </thead> <tbody> <tr><td>NVS 310</td><td>48</td><td>1GB</td><td>19.5W</td><td>2xDP</td><td></td></tr> <tr><td>NVS 315</td><td>48</td><td>1GB</td><td>19.5W</td><td>2xDVI-I SL/2xDP</td><td></td></tr> <tr><td>NVS 510</td><td>192</td><td>2GB</td><td>35W</td><td>4xmini DP</td><td></td></tr> <tr><td>NVS 810</td><td>1024</td><td>4GB</td><td>68W</td><td>8xmini DP</td><td></td></tr> <tr><td>Quadro K420</td><td>192</td><td>2GB</td><td>41W</td><td>DVI-I DL+DP</td><td></td></tr> <tr><td>Quadro K620</td><td>384</td><td>2GB</td><td>45W</td><td>DVI-I DL+DP</td><td></td></tr> <tr><td>Quadro K1200</td><td>512</td><td>4GB</td><td>45W</td><td>4xmini DP</td><td></td></tr> <tr><td>Quadro K2200</td><td>640</td><td>4GB</td><td>68W</td><td>DVI-I DL+2xDP</td><td></td></tr> <tr><td>Quadro K4200</td><td>1344</td><td>4GB</td><td>108W</td><td>DVI-I DL+2xDP</td><td></td></tr> <tr><td>Quadro K5200</td><td>2304</td><td>8GB</td><td>150W</td><td>DVI-I DL+DVI-D DL+2xDP</td><td>SLI</td></tr> <tr><td>Quadro M2000</td><td>768</td><td>4GB</td><td>75W</td><td>4xDP</td><td></td></tr> <tr><td>Quadro M4000</td><td>1664</td><td>8GB</td><td>120W</td><td>4xDP</td><td></td></tr> <tr><td>Quadro M5000</td><td>2048</td><td>8GB</td><td>150W</td><td>DVI-I DL+4xDP</td><td>SLI</td></tr> <tr><td>Quadro M6000</td><td>3072</td><td>24GB</td><td>250W</td><td>DVI-I DL+4xDP</td><td>SLI</td></tr> <tr><td>Quadro P400</td><td>256</td><td>2GB</td><td>30W</td><td>3xminiDP</td><td></td></tr> <tr><td>Quadro P600</td><td>384</td><td>2GB</td><td>40W</td><td>4xminiDP</td><td></td></tr> <tr><td>Quadro P1000</td><td>640</td><td>4GB</td><td>47W</td><td>4xminiDP</td><td></td></tr> <tr><td>Quadro P2000</td><td>1024</td><td>5GB</td><td>75W</td><td>4xDP</td><td></td></tr> <tr><td>Quadro P4000</td><td>1792</td><td>8GB</td><td>105W</td><td>4xDP</td><td>SLI</td></tr> <tr><td>Quadro P5000</td><td>2560</td><td>16GB</td><td>180W</td><td>DVI-D DL+4xDP</td><td>SLI</td></tr> <tr><td>Quadro P6000</td><td>3840</td><td>24GB</td><td>250W</td><td>DVI-D DL+4xDP</td><td>SLI</td></tr> <tr><td>Tesla K40</td><td>2880</td><td>12GB</td><td>235W</td><td></td><td></td></tr> </tbody> </table> | Adapter                  | Cores   | Memory                  | Power                  | Connector***            | SLI   | NVS 310             | 48                | 1GB                | 19.5W   | 2xDP           |       | NVS 315       | 48               | 1GB              | 19.5W   | 2xDVI-I SL/2xDP |  | NVS 510 | 192 | 2GB | 35W | 4xmini DP |  | NVS 810 | 1024 | 4GB | 68W | 8xmini DP |  | Quadro K420 | 192 | 2GB | 41W | DVI-I DL+DP |  | Quadro K620 | 384 | 2GB | 45W | DVI-I DL+DP |  | Quadro K1200 | 512 | 4GB | 45W | 4xmini DP |  | Quadro K2200 | 640 | 4GB | 68W | DVI-I DL+2xDP |  | Quadro K4200 | 1344 | 4GB | 108W | DVI-I DL+2xDP |  | Quadro K5200 | 2304 | 8GB | 150W | DVI-I DL+DVI-D DL+2xDP | SLI | Quadro M2000 | 768 | 4GB | 75W | 4xDP |  | Quadro M4000 | 1664 | 8GB | 120W | 4xDP |  | Quadro M5000 | 2048 | 8GB | 150W | DVI-I DL+4xDP | SLI | Quadro M6000 | 3072 | 24GB | 250W | DVI-I DL+4xDP | SLI | Quadro P400 | 256 | 2GB | 30W | 3xminiDP |  | Quadro P600 | 384 | 2GB | 40W | 4xminiDP |  | Quadro P1000 | 640 | 4GB | 47W | 4xminiDP |  | Quadro P2000 | 1024 | 5GB | 75W | 4xDP |  | Quadro P4000 | 1792 | 8GB | 105W | 4xDP | SLI | Quadro P5000 | 2560 | 16GB | 180W | DVI-D DL+4xDP | SLI | Quadro P6000 | 3840 | 24GB | 250W | DVI-D DL+4xDP | SLI | Tesla K40 | 2880 | 12GB | 235W |  |  |
| Adapter                               | Cores   | Memory                   | Power   | Connector***            | SLI                    |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| NVS 310                               | 48  | 1GB                      | 19.5W   | 2xDP                    |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| NVS 315                               | 48  | 1GB                      | 19.5W   | 2xDVI-I SL/2xDP         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| NVS 510                               | 192   | 2GB                      | 35W   | 4xmini DP               |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| NVS 810                               | 1024  | 4GB                      | 68W   | 8xmini DP               |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro K420                           | 192   | 2GB                      | 41W   | DVI-I DL+DP             |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro K620                           | 384   | 2GB                      | 45W   | DVI-I DL+DP             |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro K1200                          | 512   | 4GB                      | 45W   | 4xmini DP               |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro K2200                          | 640   | 4GB                      | 68W   | DVI-I DL+2xDP           |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro K4200                          | 1344  | 4GB                      | 108W  | DVI-I DL+2xDP           |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro K5200                          | 2304  | 8GB                      | 150W  | DVI-I DL+DVI-D DL+2xDP  | SLI                    |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro M2000                          | 768   | 4GB                      | 75W   | 4xDP                    |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro M4000                          | 1664  | 8GB                      | 120W  | 4xDP                    |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro M5000                          | 2048  | 8GB                      | 150W  | DVI-I DL+4xDP           | SLI                    |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro M6000                          | 3072  | 24GB                     | 250W  | DVI-I DL+4xDP           | SLI                    |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro P400                           | 256   | 2GB                      | 30W   | 3xminiDP                |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro P600                           | 384   | 2GB                      | 40W   | 4xminiDP                |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro P1000                          | 640   | 4GB                      | 47W   | 4xminiDP                |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro P2000                          | 1024  | 5GB                      | 75W   | 4xDP                    |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro P4000                          | 1792  | 8GB                      | 105W  | 4xDP                    | SLI                    |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro P5000                          | 2560  | 16GB                     | 180W  | DVI-D DL+4xDP           | SLI                    |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Quadro P6000                          | 3840  | 24GB                     | 250W  | DVI-D DL+4xDP           | SLI                    |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Tesla K40                             | 2880  | 12GB                     | 235W  |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Disk drive controller                 | <b>RAID 0, 1, 5, 10</b> with onboard SATA controller in chipset, 6Gb/s SATA.<br><b>RAID 0, 1, 5, 10</b> with optional LSI RAID flex adapter, 12Gb/s SAS and SATA.<br><b>RAID 0, 1, 5, 6, 10</b> with optional LSI 9364-8i PCIe adapter, 1GB memory, 12Gb/s SAS and SATA   |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Drive Bays                            | Three external 5.25" bays, four internal 3.5" dual drives bays (see right)  |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Flex bay                              | Three 5.25" flex bays for optical drives, Front Access Storage Enclosure drives, Flex Bay Storage Enclosure drives, or flex module.<br><ul style="list-style-type: none"> <li>Up to three half-height optical drives or up to one 9.5mm optical drive, DVD-ROM, DVD±RW, or Blu-Ray burner</li> <li>Up to one Front Access Storage Enclosure for one 3.5" or 2.5" SATA drive.</li> <li>Up to two Flex Bay Storage Enclosure for two 3.5" or 2.5" SATA drives.</li> </ul>   |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| Supporting storage                    | <table border="1"> <tbody> <tr> <td>3.5" SATA HDD, 7.2K 6Gbs</td> <td>500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid</td> </tr> <tr> <td>2.5" SAS HDD, 15K 12Gbs</td> <td>300GB/600GB</td> </tr> <tr> <td>2.5" SAS HDD, 10K 12Gbs</td> <td>300GB</td> </tr> <tr> <td>2.5" SAS SSD, 12Gbs</td> <td>200GB/400GB/800GB</td> </tr> <tr> <td>2.5" SSD, SATA6Gbs</td> <td>180GB/240GB/256GB/480GB/512GB with OPAL, 256GB/512GB/1TB without OPAL</td> </tr> <tr> <td>PCIe SSD, 2.5"</td> <td>400GB</td> </tr> <tr> <td>PCIe SSD, M.2</td> <td>256 GB/512GB/1TB</td> </tr> <tr> <td>PCIe SSD adapter</td> <td>400GB (up to 4 per system, 2nd CPU is needed)</td> </tr> </tbody> </table>   | 3.5" SATA HDD, 7.2K 6Gbs | 500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid             | 2.5" SAS HDD, 15K 12Gbs | 300GB/600GB            | 2.5" SAS HDD, 10K 12Gbs | 300GB   | 2.5" SAS SSD, 12Gbs | 200GB/400GB/800GB | 2.5" SSD, SATA6Gbs | 180GB/240GB/256GB/480GB/512GB with OPAL, 256GB/512GB/1TB without OPAL | PCIe SSD, 2.5" | 400GB | PCIe SSD, M.2 | 256 GB/512GB/1TB | PCIe SSD adapter | 400GB (up to 4 per system, 2nd CPU is needed) |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| 3.5" SATA HDD, 7.2K 6Gbs              | 500GB/1TB/2TB/3TB/4TB/6TB/1TB hybrid/2TB hybrid   |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| 2.5" SAS HDD, 15K 12Gbs               | 300GB/600GB   |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| 2.5" SAS HDD, 10K 12Gbs               | 300GB   |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| 2.5" SAS SSD, 12Gbs                   | 200GB/400GB/800GB   |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| 2.5" SSD, SATA6Gbs                    | 180GB/240GB/256GB/480GB/512GB with OPAL, 256GB/512GB/1TB without OPAL   |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| PCIe SSD, 2.5"                        | 400GB   |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| PCIe SSD, M.2                         | 256 GB/512GB/1TB  |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |
| PCIe SSD adapter                      | 400GB (up to 4 per system, 2nd CPU is needed)   |                          |   |                         |                        |                         |   |                     |                   |                    |   |                |       |               |                  |                  |   |                 |  |         |     |     |     |           |  |         |      |     |     |           |  |             |     |     |     |             |  |             |     |     |     |             |  |              |     |     |     |           |  |              |     |     |     |               |  |              |      |     |      |               |  |              |      |     |      |                        |     |              |     |     |     |      |  |              |      |     |      |      |  |              |      |     |      |               |     |              |      |      |      |               |     |             |     |     |     |          |  |             |     |     |     |          |  |              |     |     |     |          |  |              |      |     |     |      |  |              |      |     |      |      |     |              |      |      |      |               |     |              |      |      |      |               |     |           |      |      |      |  |  |

| Components                                 | Specification  |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
|--|--|-------------------------|---------------------------------|--|-----------------------------------|--|------------------------------------|----------------------|--------------------------------------|----------------------|-------------------------|-----------------------------------|-------------------------|
| Flex connector                             | Two flex connectors (see right), one per processor. Supports one of the following: <ul style="list-style-type: none"> <li>Up to one LSI RAID flex adapter for SATA/SAS RAID.</li> <li>Up to two Multi-I/O adapters for four PCIe SSD (two PCIe SSD per adapter).</li> <li>Up to two M.2 flex adapters for four M.2 PCIe SSD (two M.2 PCIe SSD per adapter)</li> </ul>  |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| Network interfaces                         | Integrated two-port gigabit ethernet (Intel i218LM and i210AT), supports Wake-on-LAN. Optional discrete ethernet adapters are available  |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| HD Audio                                   | Realtek ALC662 codec   |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| TPM  | TCG 1.2-compliant  |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| Power supply                               | <b>One fixed 1300 watts, autosensing, 92% PSU, 80 PLUS Platinum qualified</b><br><i>Note: PSU will automatically operate in 1120W (restricted mode) if the system line input is 100-110V. For other supported system line input voltages, the PSU will operate at the full 1300W.</i>  |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| Front ports                                | Four USB 3.0 (one Diagnostic, one Always On), one combo audio/microphone jack (3.5mm)  |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| Rear ports                                 | Four USB 2.0, four USB 3.0 (blue), one serial (9-pin), two ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in), two PS/2  |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| Add-on ports                               | Supports the following optional ports:<br>Two IEEE 1394 (one on rear and one on front flex module) via PCIe adapter, up to one adapter per system.<br>Two rear USB 3.0 per USB add-on PCIe adapter, up to 3 adapters per system.<br>One rear Thunderbolt via PCIe adapter.<br>One front eSATA (on flex module), or one rear eSATA via cable (also needs one PCIe slot), up to one eSATA port per system.<br>One internal USB 3.0 port via cable, cannot be intermixed with 29-in-1 reader  |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| Media reader                               | 9-in-1 USB 2.0 card reader. Optional 29-in-1 USB 3.0 card reader on flex module  |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| Mechanical                                 | <ul style="list-style-type: none"> <li>55-liter: 200mm/7.87" W x 620mm/24.4" D x 446mm/17.56" H (with feet)</li> <li>Tool-less parts: all except CPU fansink</li> <li>71.3 lb (32.3kg) max configuration</li> </ul>  |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| Environmental specification                | <table border="1"> <tbody> <tr> <td>Temperature - operating</td> <td>50 °F to 95 °F (10 °C to 35 °C)</td> </tr> <tr> <td>Temperature - non operating (no package)</td> <td>14 °F to 140 °F (-10 °C to 60 °C)</td> </tr> <tr> <td>Temperature - non operating (with package)</td> <td>-40 °F to 140 °F (-40 °C to 60 °C)</td> </tr> <tr> <td>Altitude - operating</td> <td>(Unpressurized): 0-10000ft (0-3048m)</td> </tr> <tr> <td>Humidity - operating</td> <td>10%-80%, non-condensing</td> </tr> <tr> <td>Humidity - storage (with package)</td> <td>10%-90%, non-condensing</td> </tr> </tbody> </table> <p>RoHS-compliant, GREENGUARD on all models. EPEAT Gold rating, ENERGY STAR 6.1 qualified on selected models.</p> | Temperature - operating | 50 °F to 95 °F (10 °C to 35 °C) | Temperature - non operating (no package) | 14 °F to 140 °F (-10 °C to 60 °C) | Temperature - non operating (with package) | -40 °F to 140 °F (-40 °C to 60 °C) | Altitude - operating | (Unpressurized): 0-10000ft (0-3048m) | Humidity - operating | 10%-80%, non-condensing | Humidity - storage (with package) | 10%-90%, non-condensing |
| Temperature - operating                    | 50 °F to 95 °F (10 °C to 35 °C)  |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| Temperature - non operating (no package)   | 14 °F to 140 °F (-10 °C to 60 °C)  |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| Temperature - non operating (with package) | -40 °F to 140 °F (-40 °C to 60 °C)   |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| Altitude - operating                       | (Unpressurized): 0-10000ft (0-3048m)   |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| Humidity - operating                       | 10%-80%, non-condensing  |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| Humidity - storage (with package)          | 10%-90%, non-condensing  |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| Base warranty                              | 3-year limited onsite service with 9x5/NBD   |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |
| ISV certifications                         | Please visit <a href="http://www.thinkworkstations.com/isv-certifications/">www.thinkworkstations.com/isv-certifications/</a>  |                         |                                 |  |                                   |  |                                    |                      |                                      |                      |                         |                                   |                         |



**Expansion slots**

Slot 1: PCIe 3.0 x16, full length, full height,  
Slot 2: PCIe 2.0 x1, full length, full height (half length if flex connector 1 is used)  
Slot 3: PCIe 3.0 x16, full length, full height  
Slot 4: PCIe 2.0 x1, full length, full height  
Slot 5: PCIe 2.0 x4, Half length, full height  
Slot 6: PCIe 3.0 x16, full length, full height, CPU2 needed (half length if flex connector 2 is used)  
Slot 7: PCIe 3.0 x16, full length, full height, CPU2 needed (half length if flex connector 2 is used)  
Slot 8: PCIe 2.0 x4, full length, full height, CPU2 needed

Also supports up to two flex connectors. Flex connector 2 needs 2nd CPU

**Drive bays**

HDD 1-4: Standard 3.5" HDD bay, up to four 3.5" or 2.5" disk drives.  
Each 3.5" bay supports 2.5" (9mm or less) drive plus 3.5" drive, or two 2.5" (15mm or less) drives. More than 4 drives requires LSI RAID flex adapter or 9364-8i adapter,  
Flex bay: Three 5.25" flex bays, for HH optical drives.  
Or up to one optional flex module (Flex module supports one or more of the following options: 9.5mm optical/29-in-1 USB 3.0 reader/front IEEE 1394/front eSATA).  
Or up to two HDD bays for two drives, 3.5" or 2.5" each, SATA only.

| Model      | Region | Processor   | Graphics                      | Memory                              | Storage Controller | Max Drives in 3.5" Bays | Disks                               | M.2 Drives                               | Optical      | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Keyboard / Mouse | Operating System                        | Warranty | Ann Date (mm/yy) |
|------------|--------|---|-------------------------------|-------------------------------------|--------------------|-------------------------|-------------------------------------|--|--------------|--------------|--------------|--------------|-------------------|------------------|---|----------|------------------|
| 30B9000EUS | US     | 1xXeon E5-2643 v4<br>6C/3.4GHz/20MB/135W/DDR4-2400  | Open                          | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC  | Onboard<br>SATA    | 4                       | 1x512GB SSD<br>2.5"<br>SATA6Gbps    | None                                     | HH<br>DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/16            |
| 30B9000FUS | US     | 2xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA<br>Quadro<br>M5000 8GB | 4x8GB<br>RDIMM<br>DDR4-2400<br>ECC  | Onboard<br>SATA    | 4                       | 1x1TB SSD<br>2.5"<br>SATA6Gbps      | None                                     | HH<br>DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/16            |
| 30B9000GUS | US     | 2xXeon E5-2643 v4<br>6C/3.4GHz/20MB/135W/DDR4-2400  | Open                          | 4x8GB<br>RDIMM<br>DDR4-2400<br>ECC  | Onboard<br>SATA    | 4                       | 1x1TB SSD<br>2.5"<br>SATA6Gbps      | None                                     | HH<br>DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/16            |
| 30B9000HUS | US     | 1xXeon E5-2623 v4<br>4C/2.6GHz/10MB/85W/DDR4-2133   | Open                          | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC  | Onboard<br>SATA    | 4                       | 1x512GB SSD<br>2.5"<br>SATA6Gbps    | None                                     | HH<br>DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/16            |
| 30B9001NUS | US     | 2xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA<br>Quadro<br>M4000 8GB | 4x8GB<br>RDIMM<br>DDR4-2400<br>ECC  | Onboard<br>SATA    | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps | 1x512GB<br>SSD M.2<br>PCIe               | HH<br>DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 07/16            |
| 30B9001PUS | US     | 2xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | Open                          | 4x8GB<br>RDIMM<br>DDR4-2400<br>ECC  | Onboard<br>SATA    | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps | 1x512GB<br>SSD M.2<br>PCIe               | HH<br>DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 07/16            |
| 30B9001UUS | US     | 2xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA<br>Quadro<br>M4000 8GB | 4x8GB<br>RDIMM<br>DDR4-2400<br>ECC  | Onboard<br>SATA    | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps | 1x512GB<br>SSD M.2<br>PCIe               | HH<br>DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 09/16            |
| 30B9001VUS | US     | 2xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | Open                          | 4x8GB<br>RDIMM<br>DDR4-2400<br>ECC  | Onboard<br>SATA    | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps | 1x512GB<br>SSD M.2<br>PCIe               | HH<br>DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 09/16            |
| 30B9001WUS | US     | 1xXeon E5-2643 v4<br>6C/3.4GHz/20MB/135W/DDR4-2400  | Open                          | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC  | Onboard<br>SATA    | 4                       | 1x512GB SSD<br>2.5"<br>SATA6Gbps    | None                                     | HH<br>DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 09/16            |
| 30B9001XUS | US     | 2xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA<br>Quadro<br>M5000 8GB | 4x8GB<br>RDIMM<br>DDR4-2400<br>ECC  | Onboard<br>SATA    | 4                       | 1x1TB SSD<br>2.5"<br>SATA6Gbps      | None                                     | HH<br>DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 09/16            |
| 30B9001YUS | US     | 2xXeon E5-2643 v4<br>6C/3.4GHz/20MB/135W/DDR4-2400  | Open                          | 4x8GB<br>RDIMM<br>DDR4-2400<br>ECC  | Onboard<br>SATA    | 4                       | 1x1TB SSD<br>2.5"<br>SATA6Gbps      | None                                     | HH<br>DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 09/16            |
| 30B90020US | US     | 1xXeon E5-2623 v4<br>4C/2.6GHz/10MB/85W/DDR4-2133   | Open                          | 2x8GB<br>RDIMM<br>DDR4-2400<br>ECC  | Onboard<br>SATA    | 4                       | 1x512GB SSD<br>2.5"<br>SATA6Gbps    | None                                     | HH<br>DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 09/16            |
| 30B9002DUS | US     | 2xXeon E5-2620 v4<br>8C/2.1GHz/20MB/85W/DDR4-2133   | Open                          | 2x16GB<br>RDIMM<br>DDR4-2400<br>ECC | Onboard<br>SATA    | 4                       | Open                                | 1x1TB<br>SSD M.2<br>PCIe<br>NVMe<br>Opal | HH<br>DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 12/16            |



| Model      | Region | Processor   | Graphics                    | Memory                           | Storage Controller | Max Drives in 3.5" Bays | Disks                               | M.2 Drives                            | Optical   | Media Reader | Power Supply | Add-on Ports | Discrete Ethernet | Keyboard / Mouse | Operating System                        | Warranty | Ann Date (mm/yy) |
|------------|--------|---|-----------------------------|----------------------------------|--------------------|-------------------------|-------------------------------------|---------------------------------------|-----------|--------------|--------------|--------------|-------------------|------------------|---|----------|------------------|
| 30B9002EUS | US     | 2xXeon E5-2620 v4<br>8C/2.1GHz/20MB/85W/DDR4-2133   | NVIDIA Quadro P5000<br>16GB | 2x16GB RDIMM<br>DDR4-2400<br>ECC | Onboard SATA       | 4                       | Open                                | 1x1TB SSD M.2<br>PCIe<br>NVMe<br>Opal | HH DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 12/16            |
| 30B9002FUS | US     | 2xXeon E5-2620 v4<br>8C/2.1GHz/20MB/85W/DDR4-2133   | NVIDIA Quadro P6000<br>24GB | 2x16GB RDIMM<br>DDR4-2400<br>ECC | Onboard SATA       | 4                       | Open                                | 1x1TB SSD M.2<br>PCIe<br>NVMe<br>Opal | HH DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 12/16            |
| 30B9002XCA | US     | 1xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA Quadro P4000 8GB     | 4x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps | 1x512GB SSD M.2<br>PCIe               | HH DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/17            |
| 30B9002XCC | US     | 1xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA Quadro P4000 8GB     | 4x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps | 1x512GB SSD M.2<br>PCIe               | HH DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/17            |
| 30B9002XSS | US     | 1xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA Quadro P4000 8GB     | 4x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps | 1x512GB SSD M.2<br>PCIe               | HH DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/17            |
| 30B9002XUS | US     | 1xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA Quadro P4000 8GB     | 4x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps | 1x512GB SSD M.2<br>PCIe               | HH DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>Pro 64                    | 3-year   | 04/17            |
| 30B9002YCA | US     | 1xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA Quadro P4000 8GB     | 4x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps | 1x512GB SSD M.2<br>PCIe               | HH DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 04/17            |
| 30B9002YCC | US     | 1xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA Quadro P4000 8GB     | 4x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps | 1x512GB SSD M.2<br>PCIe               | HH DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 04/17            |
| 30B9002YSS | US     | 1xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA Quadro P4000 8GB     | 4x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps | 1x512GB SSD M.2<br>PCIe               | HH DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 04/17            |
| 30B9002YUS | US     | 1xXeon E5-2650 v4<br>12C/2.2GHz/30MB/105W/DDR4-2400 | NVIDIA Quadro P4000 8GB     | 4x8GB RDIMM<br>DDR4-2400<br>ECC  | Onboard SATA       | 4                       | 1x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps | 1x512GB SSD M.2<br>PCIe               | HH DVD±RW | 9-in-1       | 1300W<br>92% | None         | None              | USB / USB        | Windows 10<br>DG<br>Windows 7<br>Pro 64 | 3-year   | 04/17            |

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**Depot or Courier Service:** Parts and labor repair coverage where shipping (including packaging) or delivery to the repair center is paid for by Lenovo.

**Expedited Depot:** Parts and labor coverage with expedited turnaround. Shipping (including packaging) or delivery to the repair center is paid for by Lenovo.

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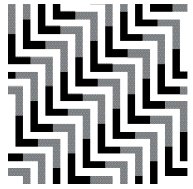
**Battery life:** Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

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**Lenovo** ThinkServer

# PSREF



**Product Specifications Reference**

Version 511, August 2017

**U.S.**

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# Summary of Changes

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This section describes the changes made in this version of ThinkServer PSREF and in previous version  
This edition might also include minor corrections and editorial changes which are not identified

## August 23, 2017 - Version 511

### Additions in this update

- ▶ Update ThinkServer RD650/RD550/RD450/RD350/TD350/TS460/RS160 platform specifications, add 12TB 7.2K SATA6Gbs HDD support

## June 21, 2017 - Version 508

### Additions in this update

- ▶ Add ThinkServer TS460 models announced June 2017
- ▶ Add ThinkServer RS160 models announced June 2017
- ▶ Update ThinkServer TS460 platform specifications, add new SBB support: Kaby Lake Xeon, Core i3, and Pentium processors. DDR4-2400 memory. 10TB 7.2K SATA6Gbs HDD, 10TB 7.2K SAS12Gbs HDD, 300GB/600GB 15K 2.5" SAS. Red Hat Enterprise Linux 7.3. SUSE Linux Enterprise Server 12 SP2/11 SP4
- ▶ Update ThinkServer RS160 platform specifications, add new SBB support: Kaby Lake Xeon, Core i3, Pentium, and Celeron processors. DDR4-2400 memory. 10TB 7.2K SATA6Gbs HDD, 10TB 7.2K SAS12Gbs HDD, 900GB 15K 2.5" SAS

## May 26, 2017 - Version 507

### Additions in this update

- ▶ Update ThinkServer RD650/RD550 platform specifications, add DDR4-2400 RDIMM memory, up to 1.92TB easy-swap NVMe SSD, and up to 3.84TB NVMe flash adapter

## April 19, 2017 - Version 505

### Additions in this update

- ▶ Add ThinkServer TS460 models announced April 2017
- ▶ Add ThinkServer TD350 models announced April 2017
- ▶ Add ThinkServer TS150 models announced April 2017
- ▶ Update ThinkServer TS150 platform specifications, add new Kaby Lake processors, DDR4-2400 memory, 10TB hard drive supports

## February 15, 2017 - Version 502

### Additions in this update

- ▶ Add ThinkServer RS160 models announced September 2016

### Withdrawals in this update

- ▶ ThinkServer TS140 had been end of life

## October 12, 2016 - Version 496

### Additions in this update

- ▶ New ThinkServer RS160 product announced September 2016
- ▶ New ThinkServer TS150 models announced August and October 2016

## September 14, 2016 - Version 495

### Additions in this update

- ▶ New ThinkServer RS160 product announced September 2016
- ▶ New ThinkServer TS140 models announced September 2016

## April 6, 2016 - Version 487

### Additions in this update

- ▶ New ThinkServer TD350, RD350, and RD450 models announced April 2016
- ▶ Add Intel Xeon E5-2600 v4 processors

### **March 23, 2016 - Version 486**

Additions in this update

- ▶ New ThinkServer TS140 models announced March 2016

### **February 24, 2016 - Version 485**

Additions in this update

- ▶ Add 8TB SATA and SAS 72K 6Gbs hard drive on ThinkServer RD350/RD450/RD550/RD650/TD350

### **December 30, 2015 - Version 483**

Additions in this update

- ▶ Updates ThinkServer RS140, TD340 specifications
- ▶ Updates the most recent ThinkServer RS140, TD340 models

### **December 9, 2015 - Version 482**

Additions in this update

- ▶ Updates ThinkServer TS140, TS440 specifications
- ▶ Updates the most recent ThinkServer TS140, TS440, RD350, RD450, RD550, RD650 models

### **October 28, 2015 - Version 480**

Additions in this update

- ▶ New ThinkServer TS140 models announced October 2015

### **July 30, 2015 - Version 476**

Additions in this update

- ▶ New ThinkServer TD350, RD550, and RD650 models announced July 2015

### **May 6, 2015 - Version 473**

Additions in this update

- ▶ Add 95mm optical support on TD350
- ▶ Add Red Hat Enterprise Linux 7 support on RD350/RD450/RD550/RD650/TD350
- ▶ Add 32 x 25" bay support on TD350
- ▶ Add AnyBay and 25" PCIe SSD support on RD550/RD650

### **April 15, 2015 - Version 471**

Additions in this update

- ▶ New ThinkServer TD350 models announced March 2015

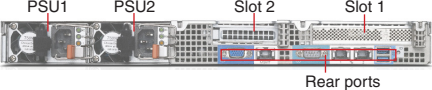
### **March 25, 2015 - Version 470**

Additions in this update

- ▶ New ThinkServer TS140 and TS440 models announced March 2015



# ThinkServer RD350 Platform Specifications

| Components                                 | Specification  | Components                        | Specification  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|--|--|-----------------------------------|--|--|-------------------|-------------------------|---------------------------------|--|--|--|-----------------|--|--|--|-----------------|--|--|----------------------|--------------------------------------|--|--|----------------------|------------------------|--|--|-----------------------------------|------------------------|--|--|
| Dimensions                                 | 1U rack. Height: 43 mm (1.7 in), width: 482 mm (19 in), depth: 781.5 mm (30.77 in)   | Systems management                | Supports ThinkServer System Manager (TSM), optional TSM Premium. UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, network, system. Supports ThinkServer management software: Diagnostics, Deployment Manager, Energy Manager, System Manager, Partner Pack for VMware vCenter and Microsoft System Center Operations Manager, Power Planner |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Weight                                     | Minimum configuration: 13 kg (28.66 lb), maximum: 19.1 kg (42.11 lb)   |                                   | Operating systems supported  | Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Red Hat Enterprise Linux 6.5/6.6/7. SUSE Linux Enterprise Server 11. VMware vSphere (ESXi) 5.1 P5/5.5 U2/6.0   |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Processor                                  | Up to two <b>105W Intel Xeon E5-2600 v4 or E5-2600 v3</b> family processors.   |                                   | Base warranty  | 1 or 3-year limited onsite service with 9x5/NBD  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2660 v4   | 14C/2GHz/35MB/105W/DDR4-2400      | Power supply   | Up to two redundant hot-swap 450W/550W/750W power supplies. 450 W is 80 PLUS Gold qualified. 550W is 80 PLUS Platinum qualified. 750W is 80 PLUS Platinum or Titanium qualified. 750W Titanium is 200V - 240V.   |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2650 v4   | 12C/2.2GHz/30MB/105W/DDR4-2400    |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2640 v4   | 10C/2.4GHz/25MB/90W/DDR4-2133     |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2630 v4   | 10C/2.2GHz/20MB/85W/DDR4-2133     |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2623 v4   | 4C/2.6GHz/10MB/85W/DDR4-2133      |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2620 v4   | 8C/2.1GHz/20MB/85W/DDR4-2133      |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2609 v4   | 8C/1.7GHz/20MB/85W/DDR4-1866      |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2603 v4   | 6C/1.7GHz/15MB/85W/DDR4-1866      |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2650L v4  | 14C/1.7GHz/35MB/65W/DDR4-2400     |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2630L v4  | 10C/1.8GHz/25MB/55W/DDR4-2133     |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2660 v3   | 10C/2.6GHz/25MB/105W/DDR4-2133    |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2650 v3   | 10C/2.3GHz/25MB/105W/DDR4-2133    |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2640 v3   | 8C/2.6GHz/20MB/90W/DDR4-1866      |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2630 v3   | 8C/2.4GHz/20MB/85W/DDR4-1866      |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2623 v3   | 4C/3GHz/10MB/105W/DDR4-1866       |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2620 v3   | 6C/2.4GHz/15MB/85W/DDR4-1866      |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2609 v3   | 6C/1.9GHz/15MB/85W/DDR4-1600      |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2603 v3   | 6C/1.6GHz/15MB/85W/DDR4-1600      |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | E5-2650L v3  | 12C/1.8GHz/30MB/65W/DDR4-2133     |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| E5-2630L v3                                | 8C/1.8GHz/20MB/55W/DDR4-1866   |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Chipset                                    | Intel C610 Series Chipset  |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Memory DIMMs                               | 16 DIMM sockets. 4 channels per processor, 2 DIMMs per channel. <b>RDIMM</b> or <b>LRDIMM</b> (cannot be intermixed), DDR4-2133 or DDR4-2400   |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Memory capacity                            | 512GB (RDIMM, 32GB x 16)/1024GB (LRDIMM, 64GB x 16), 2nd CPU is needed   |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Memory protection                          | ECC, memory mirroring, lockstep, and memory sparing  |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| RAID controller                            | RAID controller  |                                   | Drive type   | RAID support   | Compatible models |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | Onboard RAID110i   | 6Gbs SATA                         | 0/1/10, 5 with optional key  | 4x3.5" HS/ES, 8x2.5" HS  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | RAID500 PCIe   | 6Gbs SAS/SATA                     | 0/1/10, 5/50 with optional key   | 4x3.5" HS, 8x2.5" HS   |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | RAID520i PCIe  | 12Gbs SAS/SATA                    | 0/1/10, 5/50 with optional key   | 4x3.5" HS/ES, 8x2.5" HS  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | RAID710 PCIe (1GB memory)  | 6Gbs SAS/SATA                     | 0/1/10/5/50/6/60   | 4x3.5" HS, 8x2.5" HS   |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | RAID720i PCIe  | 12Gbs SAS/SATA                    | 0/1/10/5/50, 6/60 with optional cache  | 4x3.5" HS/ES, 8x2.5" HS  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | Optional cache for RAID 710: CacheVault flash cache with super capacitor, CacheCade Pro, or FastPath.<br>Optional cache for RAID 720/AnyRAID 720i and 720ix: 1GB read-only memory or 1GB/2GB/4GB flash with super capacitor. Flash options include CacheVault, CacheCade Pro, and FastPath. 720ix must have cache.<br><i>Note: RAID 50 and 60 are available on 8 x 2.5" models only.</i> |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Disk drive bays                            | Up to 4x3.5" hot-swap, 4x3.5" easy-swap, or 8x2.5" hot-swap disk bays on front. Supports external RDX tape drive via USB.  |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Maximum internal storage                   | 3.5" model: up to 48TB with 7.2K SATA or 32TB with 7.2K SAS HDD, up to 7.2TB with 10K SAS HDD, up to 2.4TB with 15K SAS HDD, or up to 6.4TB with SATA SSD.   |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  | 3.5" ES model: up to 12TB with 7.2K SATA, up to 24TB with 7.2K SAS. 2.5" model: up to 16TB with 7.2K SATA HDD, up to 14.4TB with 10K SAS HDD, up to 4.8TB with 15K SAS HDD, or up to 12.8TB with SATA or SAS SSD   |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| SD module                                  | Up to 2 SDHC flash cards via optional SD module, 8GB or 32GB each  |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Optical drive                              | Optional one 9.5mm optical, DVD-ROM or DVD±RW.   |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Network interfaces                         | One dedicated management port, two Gigabit Ethernet ports (RJ-45). Supports optional discrete network adapters via PCIe slots  |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Security features                          | Power-on and administrator password. Optional TPM (TCG 1.2-compliant)  |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  |  | Environmental specification       |  | <table border="1"> <tr> <td>Temperature - operating</td> <td colspan="3">50 °F to 95 °F (10 °C to 35 °C)</td> </tr> <tr> <td>Temperature - non operating (no package)</td> <td colspan="3">-10 °C to 60 °C</td> </tr> <tr> <td>Temperature - non operating (with package)</td> <td colspan="3">-40 °C to 70 °C</td> </tr> <tr> <td>Altitude - operating</td> <td colspan="3">(Unpressurized): 0-10000ft (0-3048m)</td> </tr> <tr> <td>Humidity - operating</td> <td colspan="3">8%-90%, non-condensing</td> </tr> <tr> <td>Humidity - storage (with package)</td> <td colspan="3">8%-90%, non-condensing</td> </tr> </table> |                   | Temperature - operating | 50 °F to 95 °F (10 °C to 35 °C) |  |  | Temperature - non operating (no package) | -10 °C to 60 °C |  |  | Temperature - non operating (with package) | -40 °C to 70 °C |  |  | Altitude - operating | (Unpressurized): 0-10000ft (0-3048m) |  |  | Humidity - operating | 8%-90%, non-condensing |  |  | Humidity - storage (with package) | 8%-90%, non-condensing |  |  |
| Temperature - operating                    | 50 °F to 95 °F (10 °C to 35 °C)  |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Temperature - non operating (no package)   | -10 °C to 60 °C  |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Temperature - non operating (with package) | -40 °C to 70 °C  |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Altitude - operating                       | (Unpressurized): 0-10000ft (0-3048m)   |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Humidity - operating                       | 8%-90%, non-condensing   |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
| Humidity - storage (with package)          | 8%-90%, non-condensing   |                                   |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  |  | Expansion slots                   |  |   |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  |  | Up to two PCIe 3.0 x 16 slots:    |  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  |  | Slot 1                            | PCIe 3.0 x16, half length, full height, by CPU1  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  |  | Slot 2 for dual processors model  | PCIe 3.0 x16, low-profile, half length, requires 2nd riser card and 2nd CPU  |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |
|  |  | Slot 2 for single processor model | PCIe 3.0 x16 (x8 electrical), low-profile, half length, by CPU1, requires 2nd riser card   |  |                   |                         |                                 |  |  |  |                 |  |  |  |                 |  |  |                      |                                      |  |  |                      |                        |  |  |                                   |                        |  |  |

For a list of all supported options, please see [https://download.lenovo.com/pccbbs/options\\_iso/ocm\\_september\\_2016\\_thinkserver.xlsx](https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx) sheet



| Model      | Region | Processor                                   | 2nd CPU    | Memory                     | Storage Controller | Disk Bays | Disks                         | Slots              | Optical      | Add-on NIC | TPM | System Mgmt | OS   | Warranty | Power Supply    | Ann Date (m/y) |
|------------|--------|---|------------|----------------------------|--------------------|-----------|-------------------------------|--------------------|--------------|------------|-----|-------------|------|----------|-----------------|----------------|
| 70D6001YUX | US     | 1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600   | 4XG0F28848 | 1x4GB RDIMM DDR4-2133 ECC  | RAID 110i          | 4x3.5" HS | Open                          | None               | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70D60020UX | US     | 1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600   | 4XG0F28847 | 1x8GB RDIMM DDR4-2133 ECC  | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL             | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70D60021UX | US     | 1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28846 | 1x8GB RDIMM DDR4-2133 ECC  | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL             | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70D60022UX | US     | 2xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866   | -          | 2x8GB RDIMM DDR4-2133 ECC  | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL+1xLP (2x16) | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70D60023UX | US     | 1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133 | 4XG0F28843 | 1x8GB RDIMM DDR4-2133 ECC  | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL             | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70D60024UX | US     | 1xE5-2660 v3 10C/2.6GHz/25MB/105W/DDR4-2133 | 4XG0F28842 | 1x8GB RDIMM DDR4-2133 ECC  | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL             | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70D60025UX | US     | 1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600   | 4XG0F28848 | 1x8GB RDIMM DDR4-2133 ECC  | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL             | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70D60026UX | US     | 1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866   | 4XG0F28845 | 1x8GB RDIMM DDR4-2133 ECC  | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL             | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70D60035UX | US     | 1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28846 | 2x8GB RDIMM DDR4-2133 ECC  | RAID 110i          | 4x3.5" HS | 2x1TB HDD 7.2K 3.5" SATA6Gbps | 1xFHHL             | 9.5mm DVD±RW | None       | TPM | TSM Premium | None | 3-year   | 750Wx2 Platinum | 02/15          |
| 70D6003DUX | US     | 2xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | -          | 2x16GB RDIMM DDR4-2133 ECC | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL+1xLP (2x16) | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx2 Platinum | 09/15          |
| 70D6003PUX | US     | 1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600   | 4XG0F28847 | 4x16GB RDIMM DDR4-2133 ECC | RAID 110i          | 4x3.5" HS | 4x1TB HDD 7.2K 3.5" SATA6Gbps | None               | None         | None       | TPM | TSM Premium | None | 3-year   | 550Wx2 Platinum | 11/15          |

| Model      | Region | Processor                                   | 2nd CPU    | Memory                          | Storage Controller | Disk Bays    | Disks | Slots  | Optical         | Add-on NIC | TPM | System Mgmt | OS   | Warranty | Power Supply       | Ann Date (m/y) |
|------------|--------|---|------------|---------------------------------|--------------------|--------------|-------|--------|-----------------|------------|-----|-------------|------|----------|--------------------|----------------|
| 70D8001TUX | US     | 1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600   | 4XG0F28848 | 1x4GB RDIMM<br>DDR4-2133<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | None   | 9.5mm<br>DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1<br>Platinum | 12/14          |
| 70D8001UUX | US     | 1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600   | 4XG0F28847 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | 1xFHHL | 9.5mm<br>DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1<br>Platinum | 12/14          |
| 70D8001VUX | US     | 1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28846 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | 1xFHHL | 9.5mm<br>DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1<br>Platinum | 12/14          |
| 70D8001WUX | US     | 1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866   | 4XG0F28844 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | 1xFHHL | 9.5mm<br>DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1<br>Platinum | 12/14          |
| 70D8001XUX | US     | 1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133 | 4XG0F28843 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | 1xFHHL | 9.5mm<br>DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1<br>Platinum | 12/14          |
| 70D8001YUX | US     | 1xE5-2660 v3 10C/2.6GHz/25MB/105W/DDR4-2133 | 4XG0F28842 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | 1xFHHL | 9.5mm<br>DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1<br>Platinum | 12/14          |
| 70D80020UX | US     | 1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600   | 4XG0F28848 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | 1xFHHL | 9.5mm<br>DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1<br>Platinum | 12/14          |
| 70D80021UX | US     | 1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866   | 4XG0F28845 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | 1xFHHL | 9.5mm<br>DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1<br>Platinum | 12/14          |

| Model      | Region | Processor                                   | 2nd CPU    | Memory                     | Storage Controller | Disk Bays | Disks                         | Slots              | Optical | Add-on NIC | TPM | System Mgmt | OS   | Warranty | Power Supply    | Ann Date (m/y) |
|------------|--------|---|------------|----------------------------|--------------------|-----------|-------------------------------|--------------------|---------|------------|-----|-------------|------|----------|-----------------|----------------|
| 70QK000VUX | US     | 1xE5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866   | 4XG0G89089 | 1x16GB RDIMM DDR4-2400 ECC | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL             | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 04/16          |
| 70QK000WUX | US     | 1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866   | 4XG0G89084 | 1x16GB RDIMM DDR4-2400 ECC | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL             | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 04/16          |
| 70QK000XUX | US     | 1xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133   | 4XG0G89079 | 1x16GB RDIMM DDR4-2400 ECC | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL             | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 04/16          |
| 70QK000YUX | US     | 1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133  | 4XG0G89074 | 1x16GB RDIMM DDR4-2400 ECC | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL             | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 04/16          |
| 70QK0010UX | US     | 1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133  | 4XG0G89069 | 1x16GB RDIMM DDR4-2400 ECC | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL             | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 04/16          |
| 70QK0011UX | US     | 1xE5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400 | 4XG0G89064 | 1x16GB RDIMM DDR4-2400 ECC | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL             | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 04/16          |
| 70QK0012UX | US     | 1xE5-2660 v4 14C/2.0GHz/35MB/105W/DDR4-2400 | 4XG0G89059 | 1x16GB RDIMM DDR4-2400 ECC | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL             | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 04/16          |
| 70QK0013UX | US     | 1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866   | 4XG0G89084 | 4x16GB RDIMM DDR4-2400 ECC | RAID 110i          | 4x3.5" HS | 4x1TB HDD 7.2K 3.5" SATA6Gbps | 1xFHHL             | None    | None       | TPM | TSM Premium | None | 3-year   | 750Wx2 Platinum | 04/16          |
| 70QK0014UX | US     | 2xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133   | -          | 2x16GB RDIMM DDR4-2400 ECC | RAID 110i          | 4x3.5" HS | Open                          | 1xFHHL+1xLP (2x16) | None    | None       | TPM | TSM Premium | None | 3-year   | 750Wx2 Platinum | 04/16          |

| Model      | Region | Processor                                   | 2nd CPU    | Memory                           | Storage Controller | Disk Bays    | Disks | Slots  | Optical | Add-on NIC | TPM | System Mgmt | OS   | Warranty | Power Supply       | Ann Date (m/y) |
|------------|--------|---|------------|----------------------------------|--------------------|--------------|-------|--------|---------|------------|-----|-------------|------|----------|--------------------|----------------|
| 70QM0010UX | US     | 1xE5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866   | 4XG0G89089 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | 1xFHHL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 04/16          |
| 70QM0011UX | US     | 1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866   | 4XG0G89084 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | 1xFHHL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 04/16          |
| 70QM0012UX | US     | 1xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133   | 4XG0G89079 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | 1xFHHL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 04/16          |
| 70QM0013UX | US     | 1xE5-2630L v4 10C/1.8GHz/25MB/55W/DDR4-2133 | 4XG0G89104 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | 1xFHHL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 04/16          |
| 70QM0014UX | US     | 1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133  | 4XG0G89074 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | 1xFHHL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 04/16          |
| 70QM0015UX | US     | 1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133  | 4XG0G89069 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | 1xFHHL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 04/16          |
| 70QM0016UX | US     | 1xE5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400 | 4XG0G89064 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | 1xFHHL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 04/16          |
| 70QM0017UX | US     | 1xE5-2660 v4 14C/2.0GHz/35MB/105W/DDR4-2400 | 4XG0G89059 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | RAID 110i          | 8x2.5"<br>HS | Open  | 1xFHHL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 04/16          |



# ThinkServer RD450 Platform Specifications

Product Specifications Reference (PSREF)

| Components  | Specification  |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|---|--|--------------------------------|--|-------------------------|-------------------|------------------|-----------|-----------------------------|-------------------------|--------------|---------------|--------------------------------|-----------|---------------|----------------|--------------------------------|-------------------------|---------------------------|---------------|------------------|-----------|---------------|----------------|---------------------------------------|-------------------------|--------------|-----------|-----------------------------|-----------|--------------|---------------|--------------------------------|-----------|--------------|----------------|---------------------------------------|-----------|---------------|----------------|------------------|--|
| Dimensions  | 2U rack. Height: 87 mm (3.4 in), width: 482 mm (19 in), depth: 764 mm (30 in)  |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| Weight  | Minimum configuration: 16 kg (35.3 lb), maximum: 27 kg (59.52 lb)  |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| Processor   | Up to two <b>105W Intel Xeon E5-2600 v4 or E5-2600 v3</b> family processors.   |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2660 v4   | 14C/2GHz/35MB/105W/DDR4-2400   |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2650 v4   | 12C/2.2GHz/30MB/105W/DDR4-2400 |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2640 v4   | 10C/2.4GHz/25MB/90W/DDR4-2133  |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2630 v4   | 10C/2.2GHz/20MB/85W/DDR4-2133  |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2623 v4   | 4C/2.6GHz/10MB/85W/DDR4-2133   |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2620 v4   | 8C/2.1GHz/20MB/85W/DDR4-2133   |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2609 v4   | 8C/1.7GHz/20MB/85W/DDR4-1866   |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2603 v4   | 6C/1.7GHz/15MB/85W/DDR4-1866   |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2650L v4  | 14C/1.7GHz/35MB/65W/DDR4-2400  |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2630L v4  | 10C/1.8GHz/25MB/55W/DDR4-2133  |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2660 v3   | 10C/2.6GHz/25MB/105W/DDR4-2133 |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2650 v3   | 10C/2.3GHz/25MB/105W/DDR4-2133 |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2640 v3   | 8C/2.6GHz/20MB/90W/DDR4-1866   |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2630 v3   | 8C/2.4GHz/20MB/85W/DDR4-1866   |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2623 v3   | 4C/3GHz/10MB/105W/DDR4-1866    |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | E5-2620 v3   | 6C/2.4GHz/15MB/85W/DDR4-1866   |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| E5-2609 v3  | 6C/1.9GHz/15MB/85W/DDR4-1600   |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| E5-2603 v3  | 6C/1.6GHz/15MB/85W/DDR4-1600   |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| E5-2650L v3   | 12C/1.8GHz/30MB/65W/DDR4-2133  |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| E5-2630L v3   | 8C/1.8GHz/20MB/55W/DDR4-1866   |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| Chipset   | Intel C610 Series Chipset  |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| Memory DIMMs  | 16 DIMM sockets with 8 channels. 4 channels per processor, 2 DIMMs per channel. <b>RDIMM</b> or <b>LRDIMM</b> (cannot be intermixed), DDR4, DDR4-2133 or DDR4-2400   |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| Memory capacity   | 512GB (RDIMM, 32GB x 16)/1024GB (LRDIMM, 64GB x 16), 2nd CPU is needed   |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| Memory protection   | ECC, memory mirroring, lockstep, and memory sparing  |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| RAID controller   | <table border="1"> <thead> <tr> <th>RAID controller</th> <th>Drive type</th> <th>RAID support</th> <th>Compatible models</th> </tr> </thead> <tbody> <tr> <td>Onboard RAID110i</td> <td>6Gbs SATA</td> <td>0/1/10, 5 with optional key</td> <td>8x3.5" HS/ES, 8x2.5" HS</td> </tr> <tr> <td>RAID500 PCIe</td> <td>6Gbs SAS/SATA</td> <td>0/1/10, 5/50 with optional key</td> <td>8x3.5" HS</td> </tr> <tr> <td>RAID520i PCIe</td> <td>12Gbs SAS/SATA</td> <td>0/1/10, 5/50 with optional key</td> <td>8x3.5" HS/ES, 8x2.5" HS</td> </tr> <tr> <td>RAID710 PCIe (1GB memory)</td> <td>6Gbs SAS/SATA</td> <td>0/1/10/5/50/6/60</td> <td>8x3.5" HS</td> </tr> <tr> <td>RAID720i PCIe</td> <td>12Gbs SAS/SATA</td> <td>0/1/10/5/50, 6/60 with optional cache</td> <td>8x3.5" HS/ES, 8x2.5" HS</td> </tr> <tr> <td>AnyRAID 110i</td> <td>6Gbs SATA</td> <td>0/1/10, 5 with optional key</td> <td>8x2.5" HS</td> </tr> <tr> <td>AnyRAID 510i</td> <td>6Gbs SAS/SATA</td> <td>0/1/10, 5/50 with optional key</td> <td>8x2.5" HS</td> </tr> <tr> <td>AnyRAID 720i</td> <td>12Gbs SAS/SATA</td> <td>0/1/10/5/50, 6/60 with optional cache</td> <td>8x2.5" HS</td> </tr> <tr> <td>AnyRAID 720ix</td> <td>12Gbs SAS/SATA</td> <td>0/1/10/5/50/6/60</td> <td>16/24x2.5" HS, 8x2.5" HS+optional tape</td> </tr> </tbody> </table> | RAID controller                | Drive type                             | RAID support            | Compatible models | Onboard RAID110i | 6Gbs SATA | 0/1/10, 5 with optional key | 8x3.5" HS/ES, 8x2.5" HS | RAID500 PCIe | 6Gbs SAS/SATA | 0/1/10, 5/50 with optional key | 8x3.5" HS | RAID520i PCIe | 12Gbs SAS/SATA | 0/1/10, 5/50 with optional key | 8x3.5" HS/ES, 8x2.5" HS | RAID710 PCIe (1GB memory) | 6Gbs SAS/SATA | 0/1/10/5/50/6/60 | 8x3.5" HS | RAID720i PCIe | 12Gbs SAS/SATA | 0/1/10/5/50, 6/60 with optional cache | 8x3.5" HS/ES, 8x2.5" HS | AnyRAID 110i | 6Gbs SATA | 0/1/10, 5 with optional key | 8x2.5" HS | AnyRAID 510i | 6Gbs SAS/SATA | 0/1/10, 5/50 with optional key | 8x2.5" HS | AnyRAID 720i | 12Gbs SAS/SATA | 0/1/10/5/50, 6/60 with optional cache | 8x2.5" HS | AnyRAID 720ix | 12Gbs SAS/SATA | 0/1/10/5/50/6/60 | 16/24x2.5" HS, 8x2.5" HS+optional tape |
|   | RAID controller  | Drive type                     | RAID support                           | Compatible models       |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | Onboard RAID110i   | 6Gbs SATA                      | 0/1/10, 5 with optional key            | 8x3.5" HS/ES, 8x2.5" HS |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | RAID500 PCIe   | 6Gbs SAS/SATA                  | 0/1/10, 5/50 with optional key         | 8x3.5" HS               |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | RAID520i PCIe  | 12Gbs SAS/SATA                 | 0/1/10, 5/50 with optional key         | 8x3.5" HS/ES, 8x2.5" HS |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | RAID710 PCIe (1GB memory)  | 6Gbs SAS/SATA                  | 0/1/10/5/50/6/60                       | 8x3.5" HS               |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | RAID720i PCIe  | 12Gbs SAS/SATA                 | 0/1/10/5/50, 6/60 with optional cache  | 8x3.5" HS/ES, 8x2.5" HS |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | AnyRAID 110i   | 6Gbs SATA                      | 0/1/10, 5 with optional key            | 8x2.5" HS               |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | AnyRAID 510i   | 6Gbs SAS/SATA                  | 0/1/10, 5/50 with optional key         | 8x2.5" HS               |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
|   | AnyRAID 720i   | 12Gbs SAS/SATA                 | 0/1/10/5/50, 6/60 with optional cache  | 8x2.5" HS               |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| AnyRAID 720ix   | 12Gbs SAS/SATA   | 0/1/10/5/50/6/60               | 16/24x2.5" HS, 8x2.5" HS+optional tape |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| Optional cache for RAID 710: CacheVault flash cache with super capacitor, CacheCade Pro, or FastPath.   |  |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| Optional cache for RAID 720/AnyRAID 720i and 720ix: 1GB read-only memory or 1GB/2GB/4GB flash with super capacitor. Flash options include CacheVault, CacheCade Pro, and FastPath. 720ix must have cache. |  |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| Disk drive bays   | Up to 8x3.5" hot-swap, 8x3.5" easy-swap, or 24x2.5" hot-swap disk bays on front. Up to one internal LTO-6 SAS tape drive on 8x2.5" and 720ix model, or external RDX tape drive via USB.  |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| Maximum internal storage  | 3.5" HS model: up to 96TB with 7.2K SATA or 64TB with 7.2K SAS HDD, up to 14.4TB with 10K SAS HDD, up to 4.8TB with 15K SAS HDD, or up to 12.8TB with SATA SSD.<br>3.5" ES model: up to 24TB with 7.2K SATA, up to 48TB with 7.2K SAS.<br>2.5" HS model: up to 48TB with 7.2K SATA HDD, up to 43.2TB with 10K SAS HDD, up to 14.4TB with 15K SAS HDD, or up to 38.4TB with SATA or SAS SSD   |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| SD module   | Up to 2 SDHC flash cards via optional SD module, 8GB or 32GB each  |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| PCIe SSD adapter  | Supports 1.6TB or 3.2TB SSD via PCIe adapter   |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |
| Optical drive   | Optional one 9.5mm optical on 3.5" or 8/16 x 2.5" models, DVD-ROM or DVD±RW.   |                                |  |                         |                   |                  |           |                             |                         |              |               |                                |           |               |                |                                |                         |                           |               |                  |           |               |                |                                       |                         |              |           |                             |           |              |               |                                |           |              |                |                                       |           |               |                |                  |  |

| Components                        | Specification  |                                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
|-----------------------------------|--|--------------------------------------|---------------------------------|--|-----------------|--|-----------------|----------------------|--------------------------------------|----------------------|------------------------|-----------------------------------|------------------------|---|---|---|--------|---|---|---|---|---------------|---|---|---|---|---------|---|---|---|---|---------|---|---|---|---|
| Network interfaces                | One dedicated management port, two Gigabit Ethernet ports. Supports optional discrete network adapters via PCIe slots  |                                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| Security features                 | Power-on and administrator password. Optional TPM (TCG 1.2-compliant)  |                                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| Systems management                | Supports ThinkServer System Manager (TSM), optional TSM Premium. UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, network, system. Supports ThinkServer management software: Diagnostics, Deployment Manager, Energy Manager, System Manager, Partner Pack for VMware vCenter and Microsoft System Center Operations Manager, Power Planner   |                                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| Operating systems supported       | Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Red Hat Enterprise Linux 6.5/6.6/7. SUSE Linux Enterprise Server 11. VMware vSphere (ESXi) 5.1 P5/5.5 U2/6.0   |                                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| Base warranty                     | 1 or 3-year limited onsite service with 9x5/NBD  |                                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| Power supply                      | Up to two redundant hot-swap 450W/550W/750W/1100W power supplies. 450 W is 80 PLUS Gold qualified. 550W and 1100W are 80 PLUS Platinum qualified. 750W is 80 PLUS Platinum or Titanium qualified. 750W Titanium is 200V - 240V, others are 110V - 240V.  |                                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
|                                   | <table border="1"> <thead> <tr> <th>Disk bay configuration</th> <th colspan="4">PSU requirements</th> </tr> <tr> <th></th> <th>450W</th> <th>550W</th> <th>750W</th> <th>1100W</th> </tr> </thead> <tbody> <tr> <td>8x3.5"</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>8x2.5"</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>8x2.5" + Tape</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>16x2.5"</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>24x2.5"</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> </tbody> </table> | Disk bay configuration               | PSU requirements                |  |                 |  |                 | 450W                 | 550W                                 | 750W                 | 1100W                  | 8x3.5"                            | •                      | • | • | • | 8x2.5" | • | • | • | • | 8x2.5" + Tape | • | • | • | • | 16x2.5" | • | • | • | • | 24x2.5" | • | • | • | • |
|                                   | Disk bay configuration   | PSU requirements                     |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
|                                   |  | 450W                                 | 550W                            | 750W                                     | 1100W           |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
|                                   | 8x3.5"   | •                                    | •                               | •  | •               |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| 8x2.5"                            | •  | •                                    | •                               | •  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| 8x2.5" + Tape                     | •  | •                                    | •                               | •  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| 16x2.5"                           | •  | •                                    | •                               | •  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| 24x2.5"                           | •  | •                                    | •                               | •  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| Graphics                          | Onboard Aspeed AST2400 with 16MB memory  |                                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| Front ports                       | Two USB 2.0. One DisplayPort (one VGA on E5-2600 v4 models instead)  |                                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| Rear ports                        | One VGA, two USB 3.0, one RJ-45 (dedicated mgmt), two ethernet, one serial (9-pin)   |                                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| Cooling                           | 4 (3+1, dual processors) or 3 (2+1, single processor) fans, non-hot swap   |                                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| Noise emissions                   | Operating: < 6.5 Bels. Idle: < 5.6 Bels (Maximum configuration)  |                                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| Environmental specification       | <table border="1"> <tbody> <tr> <td>Temperature - operating</td> <td>50 °F to 95 °F (10 °C to 35 °C)</td> </tr> <tr> <td>Temperature - non operating (no package)</td> <td>-10 °C to 60 °C</td> </tr> <tr> <td>Temperature - non operating (with package)</td> <td>-40 °C to 70 °C</td> </tr> <tr> <td>Altitude - operating</td> <td>(Unpressurized): 0-10000ft (0-3048m)</td> </tr> <tr> <td>Humidity - operating</td> <td>8%-90%, non-condensing</td> </tr> <tr> <td>Humidity - storage (with package)</td> <td>8%-90%, non-condensing</td> </tr> </tbody> </table>                                    | Temperature - operating              | 50 °F to 95 °F (10 °C to 35 °C) | Temperature - non operating (no package) | -10 °C to 60 °C | Temperature - non operating (with package) | -40 °C to 70 °C | Altitude - operating | (Unpressurized): 0-10000ft (0-3048m) | Humidity - operating | 8%-90%, non-condensing | Humidity - storage (with package) | 8%-90%, non-condensing |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
|                                   | Temperature - operating  | 50 °F to 95 °F (10 °C to 35 °C)      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
|                                   | Temperature - non operating (no package)   | -10 °C to 60 °C                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
|                                   | Temperature - non operating (with package)   | -40 °C to 70 °C                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
|                                   | Altitude - operating   | (Unpressurized): 0-10000ft (0-3048m) |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| Humidity - operating              | 8%-90%, non-condensing   |                                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |
| Humidity - storage (with package) | 8%-90%, non-condensing   |                                      |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |        |   |   |   |   |               |   |   |   |   |         |   |   |   |   |         |   |   |   |   |

## Expansion slots



|                       |  |
|-----------------------|--|
| Slot 1 (riser card 1) | PCIe 3.0 x8, half length, full height, CPU1                                      |
| Slot 2 (riser card 1) | PCIe 3.0 x8, half length, full height, CPU1                                      |
| Slot 3 (riser card 2) | PCIe 3.0 x8, low-profile, half length, CPU2, requires 2nd riser card and 2nd CPU |
| Slot 4 (riser card 2) | PCIe 3.0 x8, low-profile, half length, CPU2, requires 2nd riser card and 2nd CPU |
| Slot 5 (riser card 2) | PCIe 3.0 x8, low-profile, half length, CPU1, requires 2nd riser card             |
| Slot 6 (onboard)      | PCIe 3.0 x16 (x8 elec), low-profile, half length, requires 2nd CPU               |

For a list of all supported options, please see [https://download.lenovo.com/pccbbs/options\\_iso/ocm\\_september\\_2016\\_thinkserver.xlsx](https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx) sheet

| Model      | Region | Processor                                   | 2nd CPU    | Memory                          | Storage Controller | Disk Bays    | Disks | Slots      | Optical         | Add-on NIC | TPM | System Mgmt | OS   | Warranty | Power Supply       | Ann Date (m/y) |
|------------|--------|---|------------|---------------------------------|--------------------|--------------|-------|------------|-----------------|------------|-----|-------------|------|----------|--------------------|----------------|
| 70DA000XUX | US     | 1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600   | 4XG0F28860 | 1x4GB RDIMM<br>DDR4-2133<br>ECC | 110i<br>(AnyRAID)  | 8x2.5"<br>HS | Open  | None       | 9.5mm<br>DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1<br>Platinum | 12/14          |
| 70DA000YUX | US     | 1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600   | 4XG0F28859 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | 110i<br>(AnyRAID)  | 8x2.5"<br>HS | Open  | 2xFH<br>HL | 9.5mm<br>DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1<br>Platinum | 12/14          |
| 70DA0010UX | US     | 1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28858 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | 110i<br>(AnyRAID)  | 8x2.5"<br>HS | Open  | 2xFH<br>HL | 9.5mm<br>DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1<br>Platinum | 12/14          |
| 70DA0011UX | US     | 1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866   | 4XG0F28857 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | 110i<br>(AnyRAID)  | 8x2.5"<br>HS | Open  | 2xFH<br>HL | 9.5mm<br>DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1<br>Platinum | 12/14          |
| 70DA0012UX | US     | 1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866   | 4XG0F28856 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | 110i<br>(AnyRAID)  | 8x2.5"<br>HS | Open  | 2xFH<br>HL | 9.5mm<br>DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1<br>Platinum | 12/14          |
| 70DA0013UX | US     | 1xE5-2660 v3 10C/2.6GHz/25MB/105W/DDR4-2133 | 4XG0F28854 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | 110i<br>(AnyRAID)  | 8x2.5"<br>HS | Open  | 2xFH<br>HL | 9.5mm<br>DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1<br>Platinum | 12/14          |
| 70DA0014UX | US     | 1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600   | 4XG0F28860 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | 110i<br>(AnyRAID)  | 8x2.5"<br>HS | Open  | 2xFH<br>HL | None            | None       | TPM | TSM         | None | 3-year   | 550Wx1<br>Platinum | 12/14          |

| Model      | Region | Processor                                   | 2nd CPU    | Memory                     | Storage Controller  | Disk Bays | Disks                         | Slots             | Optical      | Add-on NIC | TPM | System Mgmt | OS   | Warranty | Power Supply    | Ann Date (m/y) |
|------------|--------|---|------------|----------------------------|---------------------|-----------|-------------------------------|-------------------|--------------|------------|-----|-------------|------|----------|-----------------|----------------|
| 70DC001CUX | US     | 1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600   | 4XG0F28860 | 1x4GB RDIMM DDR4-2133 ECC  | Onboard 110i (PCIe) | 8x3.5" HS | Open                          | None              | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70DC001DUX | US     | 1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600   | 4XG0F28859 | 1x8GB RDIMM DDR4-2133 ECC  | Onboard 110i (PCIe) | 8x3.5" HS | Open                          | 2xFH HL           | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70DC001EUX | US     | 1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28858 | 1x8GB RDIMM DDR4-2133 ECC  | Onboard 110i (PCIe) | 8x3.5" HS | Open                          | 2xFH HL           | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70DC001FUX | US     | 1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866   | 4XG0F28857 | 1x8GB RDIMM DDR4-2133 ECC  | Onboard 110i (PCIe) | 8x3.5" HS | Open                          | 2xFH HL           | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70DC001GUX | US     | 1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866   | 4XG0F28856 | 1x8GB RDIMM DDR4-2133 ECC  | Onboard 110i (PCIe) | 8x3.5" HS | Open                          | 2xFH HL           | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70DC001HUX | US     | 1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133 | 4XG0F28855 | 1x8GB RDIMM DDR4-2133 ECC  | Onboard 110i (PCIe) | 8x3.5" HS | Open                          | 2xFH HL           | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70DC001JUX | US     | 1xE5-2660 v3 10C/2.6GHz/25MB/105W/DDR4-2133 | 4XG0F28854 | 1x8GB RDIMM DDR4-2133 ECC  | Onboard 110i (PCIe) | 8x3.5" HS | Open                          | 2xFH HL           | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70DC001KUX | US     | 1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600   | 4XG0F28860 | 1x8GB RDIMM DDR4-2133 ECC  | Onboard 110i (PCIe) | 8x3.5" HS | Open                          | 2xFH HL           | 9.5mm DVD±RW | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 12/14          |
| 70DC002EUX | US     | 1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28858 | 2x8GB RDIMM DDR4-2133 ECC  | Onboard 110i (PCIe) | 8x3.5" HS | 2x1TB HDD 7.2K 3.5" SATA6Gbps | 2xFH HL           | 9.5mm DVD±RW | None       | TPM | TSM Premium | None | 3-year   | 750Wx2 Platinum | 02/15          |
| 70DC002GUX | US     | 2xE5-2620 v3 6C/2.4GHz/15MB/85W/1866MH      | -          | 2x16GB RDIMM DDR4-2133 ECC | Onboard 110i (PCIe) | 8x3.5" HS | Open                          | 2xFH HL + 4xLP HL | 9.5mm DVD±RW | None       | TPM | TSM Premium | None | 3-year   | 750Wx2 Platinum | 09/15          |
| 70DC002UUX | US     | 1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866   | 4XG0F28857 | 4x16GB RDIMM DDR4-2133 ECC | Onboard 110i (PCIe) | 8x3.5" HS | 4x1TB HDD 7.2K 3.5" SATA6Gbps | None              | None         | None       | TPM | TSM Premium | None | 3-year   | 550Wx2 Platinum | 11/15          |



| Model      | Region | Processor                                   | 2nd CPU    | Memory                     | Storage Controller      | Disk Bays  | Disks                         | Slots             | Optical | Add-on NIC | TPM | System Mgmt | OS   | Warranty | Power Supply    | Ann Date (m/y) |
|------------|--------|---|------------|----------------------------|-------------------------|------------|-------------------------------|-------------------|---------|------------|-----|-------------|------|----------|-----------------|----------------|
| 70DE000BUX | US     | 1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133 | 4XG0F28855 | 1x16GB RDIMM DDR4-2133 ECC | 720ix+1GB RAM (AnyRAID) | 24x2.5" HS | Open                          | 2xFH HL           | None    | None       | TPM | TSM Premium | None | 3-year   | 750Wx1 Platinum | 12/14          |
| 70DE000CUX | US     | 2xE5-2620 v3 6C/2.4GHz/15MB/85W/1866MH      | -          | 8x16GB RDIMM DDR4-2133 ECC | 720ix+1GB RAM (AnyRAID) | 24x2.5" HS | 8x300GB HDD 10K 2.5" SAS6Gbps | 2xFH HL + 4xLP HL | None    | None       | TPM | TSM Premium | None | 3-year   | 750Wx2 Platinum | 12/14          |
| 70DE000HUX | US     | 1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600   | 4XG0F28859 | 1x4GB RDIMM DDR4-2133 ECC  | 720ix+1GB RAM (AnyRAID) | 24x2.5" HS | Open                          | None              | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 12/14          |
| 70DE000JUX | US     | 1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28858 | 1x8GB RDIMM DDR4-2133 ECC  | 720ix+1GB RAM (AnyRAID) | 24x2.5" HS | Open                          | 2xFH HL           | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 12/14          |
| 70DE000KUX | US     | 1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866   | 4XG0F28856 | 1x8GB RDIMM DDR4-2133 ECC  | 720ix+1GB RAM (AnyRAID) | 24x2.5" HS | Open                          | 2xFH HL           | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 12/14          |

# ThinkServer RD450 - TopSeller - 70DV

Product Specifications Reference (PSREF)

| Model      | Region | Processor                                 | 2nd CPU    | Memory                    | Storage Controller      | Disk Bays  | Disks | Slots   | Optical | Add-on NIC | TPM | System Mgmt | OS   | Warranty | Power Supply    | Ann Date (m/y) |
|------------|--------|---|------------|---------------------------|-------------------------|------------|-------|---------|---------|------------|-----|-------------|------|----------|-----------------|----------------|
| 70DV0008UX | US     | 1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600 | 4XG0F28860 | 1x4GB RDIMM DDR4-2133 ECC | 720ix+1GB RAM (AnyRAID) | 16x2.5" HS | Open  | None    | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 12/14          |
| 70DV0009UX | US     | 1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866 | 4XG0F28858 | 1x8GB RDIMM DDR4-2133 ECC | 720ix+1GB RAM (AnyRAID) | 16x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 12/14          |
| 70DV000AUX | US     | 1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866 | 4XG0F28856 | 1x8GB RDIMM DDR4-2133 ECC | 720ix+1GB RAM (AnyRAID) | 16x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 12/14          |

ThinkServer RD450 - TopSeller - 70Q9

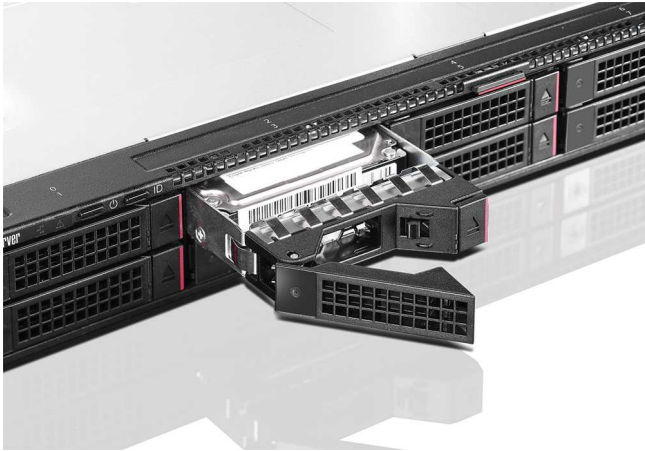
Product Specifications Reference (PSREF)

| Model      | Region | Processor                                   | 2nd CPU    | Memory                           | Storage Controller | Disk Bays    | Disks | Slots      | Optical | Add-on NIC | TPM | System Mgmt | OS   | Warranty | Power Supply       | Ann Date (m/y) |
|------------|--------|---|------------|----------------------------------|--------------------|--------------|-------|------------|---------|------------|-----|-------------|------|----------|--------------------|----------------|
| 70Q9001DUX | US     | 1xE5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866   | 4XG0G89090 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | 110i (PCIe)        | 8x2.5"<br>HS | Open  | 2xFH<br>HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 03/16          |
| 70Q9001EUX | US     | 1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866   | 4XG0G89085 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | 110i (PCIe)        | 8x2.5"<br>HS | Open  | 2xFH<br>HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 03/16          |
| 70Q9001FUX | US     | 1xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133   | 4XG0G89080 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | 110i (PCIe)        | 8x2.5"<br>HS | Open  | 2xFH<br>HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 03/16          |
| 70Q9001GUX | US     | 1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133  | 4XG0G89075 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | 110i (PCIe)        | 8x2.5"<br>HS | Open  | 2xFH<br>HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 03/16          |
| 70Q9001HUX | US     | 1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133  | 4XG0G89070 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | 110i (PCIe)        | 8x2.5"<br>HS | Open  | 2xFH<br>HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 03/16          |
| 70Q9001JUX | US     | 1xE5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400 | 4XG0G89065 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | 110i (PCIe)        | 8x2.5"<br>HS | Open  | 2xFH<br>HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 03/16          |
| 70Q9001KUX | US     | 1xE5-2660 v4 14C/2.0GHz/35MB/105W/DDR4-2400 | 4XG0G89060 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | 110i (PCIe)        | 8x2.5"<br>HS | Open  | 2xFH<br>HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 03/16          |

| Model      | Region | Processor                                   | 2nd CPU    | Memory                     | Storage Controller | Disk Bays | Disks                         | Slots             | Optical | Add-on NIC | TPM | System Mgmt | OS   | Warranty | Power Supply    | Ann Date (m/y) |
|------------|--------|---|------------|----------------------------|--------------------|-----------|-------------------------------|-------------------|---------|------------|-----|-------------|------|----------|-----------------|----------------|
| 70QQ0013UX | US     | 1xE5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866   | 4XG0G89090 | 1x16GB RDIMM DDR4-2400 ECC | 110i (PCIe)        | 8x3.5" HS | Open                          | 2xFH HL           | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QQ0014UX | US     | 1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866   | 4XG0G89085 | 1x16GB RDIMM DDR4-2400 ECC | 110i (PCIe)        | 8x3.5" HS | Open                          | 2xFH HL           | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QQ0015UX | US     | 1xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133   | 4XG0G89080 | 1x16GB RDIMM DDR4-2400 ECC | 110i (PCIe)        | 8x3.5" HS | Open                          | 2xFH HL           | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QQ0016UX | US     | 1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133  | 4XG0G89075 | 1x16GB RDIMM DDR4-2400 ECC | 110i (PCIe)        | 8x3.5" HS | Open                          | 2xFH HL           | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QQ0017UX | US     | 1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133  | 4XG0G89070 | 1x16GB RDIMM DDR4-2400 ECC | 110i (PCIe)        | 8x3.5" HS | Open                          | 2xFH HL           | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QQ0018UX | US     | 1xE5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400 | 4XG0G89065 | 1x16GB RDIMM DDR4-2400 ECC | 110i (PCIe)        | 8x3.5" HS | Open                          | 2xFH HL           | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QQ0019UX | US     | 1xE5-2660 v4 14C/2.0GHz/35MB/105W/DDR4-2400 | 4XG0G89060 | 1x16GB RDIMM DDR4-2400 ECC | 110i (PCIe)        | 8x3.5" HS | Open                          | 2xFH HL           | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QQ001AUX | US     | 1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133  | 4XG0G89075 | 4x16GB RDIMM DDR4-2400 ECC | 110i (PCIe)        | 8x3.5" HS | 4x1TB HDD 7.2K 3.5" SATA6Gbps | 2xFH HL           | None    | None       | TPM | TSM Premium | None | 3-year   | 750Wx2 Platinum | 03/16          |
| 70QQ001BUX | US     | 2xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133   | -          | 2x16GB RDIMM DDR4-2400 ECC | 110i (PCIe)        | 8x3.5" HS | Open                          | 2xFH HL + 4xLP HL | None    | None       | TPM | TSM Premium | None | 3-year   | 750Wx2 Platinum | 03/16          |

| Model      | Region | Processor                                   | 2nd CPU    | Memory                     | Storage Controller        | Disk Bays  | Disks | Slots   | Optical | Add-on NIC | TPM | System Mgmt | OS   | Warranty | Power Supply    | Ann Date (m/y) |
|------------|--------|---|------------|----------------------------|---------------------------|------------|-------|---------|---------|------------|-----|-------------|------|----------|-----------------|----------------|
| 70QS0000UX | US     | 1xE5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866   | 4XG0G89090 | 1x16GB RDIMM DDR4-2400 ECC | 720ix+1GB Flash (AnyRAID) | 24x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QS0001UX | US     | 1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866   | 4XG0G89085 | 1x16GB RDIMM DDR4-2400 ECC | 720ix+1GB Flash (AnyRAID) | 24x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QS0002UX | US     | 1xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133   | 4XG0G89080 | 1x16GB RDIMM DDR4-2400 ECC | 720ix+1GB Flash (AnyRAID) | 24x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QS0003UX | US     | 1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133  | 4XG0G89075 | 1x16GB RDIMM DDR4-2400 ECC | 720ix+1GB Flash (AnyRAID) | 24x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QS0004UX | US     | 1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133  | 4XG0G89070 | 1x16GB RDIMM DDR4-2400 ECC | 720ix+1GB Flash (AnyRAID) | 24x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QS0005UX | US     | 1xE5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400 | 4XG0G89065 | 1x16GB RDIMM DDR4-2400 ECC | 720ix+1GB Flash (AnyRAID) | 24x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QS0006UX | US     | 1xE5-2660 v4 14C/2.0GHz/35MB/105W/DDR4-2400 | 4XG0G89060 | 1x16GB RDIMM DDR4-2400 ECC | 720ix+1GB Flash (AnyRAID) | 24x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |

| Model      | Region | Processor                                   | 2nd CPU    | Memory                     | Storage Controller        | Disk Bays  | Disks | Slots   | Optical | Add-on NIC | TPM | System Mgmt | OS   | Warranty | Power Supply    | Ann Date (m/y) |
|------------|--------|---|------------|----------------------------|---------------------------|------------|-------|---------|---------|------------|-----|-------------|------|----------|-----------------|----------------|
| 70QW0004UX | US     | 1xE5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866   | 4XG0G89090 | 1x16GB RDIMM DDR4-2400 ECC | 720ix+1GB Flash (AnyRAID) | 16x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QW0005UX | US     | 1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866   | 4XG0G89085 | 1x16GB RDIMM DDR4-2400 ECC | 720ix+1GB Flash (AnyRAID) | 16x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QW0006UX | US     | 1xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133   | 4XG0G89080 | 1x16GB RDIMM DDR4-2400 ECC | 720ix+1GB Flash (AnyRAID) | 16x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QW0007UX | US     | 1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133  | 4XG0G89075 | 1x16GB RDIMM DDR4-2400 ECC | 720ix+1GB Flash (AnyRAID) | 16x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QW0008UX | US     | 1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133  | 4XG0G89070 | 1x16GB RDIMM DDR4-2400 ECC | 720ix+1GB Flash (AnyRAID) | 16x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QW0009UX | US     | 1xE5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400 | 4XG0G89065 | 1x16GB RDIMM DDR4-2400 ECC | 720ix+1GB Flash (AnyRAID) | 16x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |
| 70QW000AUX | US     | 1xE5-2660 v4 14C/2.0GHz/35MB/105W/DDR4-2400 | 4XG0G89060 | 1x16GB RDIMM DDR4-2400 ECC | 720ix+1GB Flash (AnyRAID) | 16x2.5" HS | Open  | 2xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 03/16          |



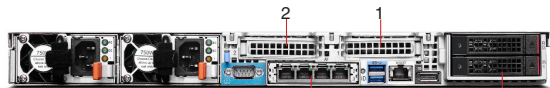

# ThinkServer RD550 Platform Specifications

Product Specifications Reference (PSREF)

| Components             | Specification  |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
|------------------------|--|---------------------------|--|-------------------------|--|--|--|----------|----------|----------|-----------|--------|---------------------------|---------------------------|---------------------------|--|--------|---|---|---|--|---------|--|--|--|-------------------------|
| Dimensions             | 1U rack. Height: 43 mm (1.7 in), width: 482 mm (19 in), depth: 780 mm (30.7 in)  |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| Weight                 | Minimum configuration: 13.5 kg (29.76 lb), maximum: 21 kg (46.3 lb)  |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| Processor              | Up to two <b>145W Intel Xeon E5-2600 v3</b> family (code name: Haswell) processors with 18 cores up to 2.3GHz, 16 cores up to 2.3GHz, 14 cores up to 2.6GHz, 12 cores up to 2.6GHz, 10 cores up to 2.6GHz, 8 cores up to 3.2GHz, 6 cores up to 3.4GHz, 4 cores up to 3.5GHz. Two QPI link up to 9.6 GT/s. Up to 2133MHz memory speed. Up to 45MB cache   |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| Chipset                | Intel C610 Series Chipset  |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| Memory DIMMs           | 24 DIMM sockets (12 DIMMs per processor), 8-channel capable (4-channel per processor). RDIMM and LRDIMM (cannot be intermixed), DDR4, LRDIMM up to DDR4-2133, RDIMM up to DDR4-2400  |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| Memory capacity        | 384GB (RDIMM, 16GB x 24)/768GB (LRDIMM, 32GB x 24)   |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| Memory protection      | ECC, memory mirroring, lockstep, and memory sparing  |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| AnyRAID support        | RAID 0, 1, 10 with AnyRAID 110i, 6Gb/s SATA, optional key for RAID 5.<br>RAID 0, 1, 10 with AnyRAID 510i, 6Gb/s SAS/SATA, optional key for RAID 5/50.<br>RAID 0, 1, 10, 5, 50, 6, 60 with AnyRAID 720i/720ix. 12Gb/s SAS/SATA. 720i needs cache for RAID 6/60 support. 720ix must have cache.<br>Optional cache for 720i/720ix: 1GB read-only memory. 1GB/2GB/4GB flash with super capacitor. Flash options include CacheVault, CacheCade Pro, and FastPath<br><i>Note: At least 6 disk drives is required for RAID 50 and 60.</i>   |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| Disk drive bays        | Up to 4 3.5" or 12 2.5" hot-swap disk bays on front.<br>Up to 2 of 12 2.5" bays can support easy-swap PCIe SSD via optional Anybay kit (consumes one PCIe slot).<br>Up to 2 2.5" rear mounted hot-swap disk bays on 3.5" models, optional.<br>Up to 2 M.2 SSD drives via optional M.2 module.<br>Supports external RDX tape drive via USB.<br><table border="1"> <thead> <tr> <th>Disk bay configuration</th> <th colspan="4">AnyRAID requirements and optional drives supported</th> </tr> <tr> <th></th> <th>RAID110i</th> <th>RAID510i</th> <th>RAID720i</th> <th>RAID720ix</th> </tr> </thead> <tbody> <tr> <td>4x3.5"</td> <td>• (optional rear bay/M.2)</td> <td>• (optional rear bay/M.2)</td> <td>• (optional rear bay/M.2)</td> <td></td> </tr> <tr> <td>8x2.5"</td> <td>•</td> <td>•</td> <td>•</td> <td></td> </tr> <tr> <td>12x2.5"</td> <td></td> <td></td> <td></td> <td>• (optional Anybay/M.2)</td> </tr> </tbody> </table> <i>Note: 1. Rear disk drive and M.2 SSD can not be supported simultaneously. Only one can be selected per system. 2. On AnyRAID 110i and 8x2.5" model, 6 of 8 drives can be configured as RAID</i> | Disk bay configuration    | AnyRAID requirements and optional drives supported |                         |  |  |  | RAID110i | RAID510i | RAID720i | RAID720ix | 4x3.5" | • (optional rear bay/M.2) | • (optional rear bay/M.2) | • (optional rear bay/M.2) |  | 8x2.5" | • | • | • |  | 12x2.5" |  |  |  | • (optional Anybay/M.2) |
| Disk bay configuration | AnyRAID requirements and optional drives supported   |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
|                        | RAID110i   | RAID510i                  | RAID720i   | RAID720ix               |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| 4x3.5"                 | • (optional rear bay/M.2)  | • (optional rear bay/M.2) | • (optional rear bay/M.2)                          |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| 8x2.5"                 | •  | •                         | •  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| 12x2.5"                |  |                           |  | • (optional Anybay/M.2) |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| Internal disk drive    | 3.5" HDD up to 12TB (SATA)/8TB(SAS). 2.5" HDD up to 1.8TB (SAS)/2TB (SATA). 2.5" SSD up to 1.6TB (SATA/SAS). Easy-swap PCIe SSD up to 1.92TB. PCIe SSD adapter up to 3.84TB. M.2 SSD up to 120GB. 2.5" SSD and HDD are compatible with 3.5" bay  |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| SD module              | Up to 2 SDHC flash cards via optional SD module, 8GB or 32GB each  |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| Optical drive          | Optional one 9.5mm optical drive on 3.5" model. DVD-ROM or DVD±RW  |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| Network interfaces     | One dedicated management port. One (3.5" model) or two (2.5" model) AnyFabric slots for customized LOM. Optional discrete network adapters via PCIe slots  |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| Security features      | Power-on and administrator password. Optional TPM (TCG 1.2-compliant)  |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |
| Systems management     | Supports ThinkServer System Manager (TSM), optional TSM Premium. UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, network, system. Supports ThinkServer management software: Diagnostics, Deployment Manager, Energy Manager, System Manager, Partner Pack for VMware vCenter and Microsoft System Center Operations Manager, Power Planner   |                           |  |                         |  |  |  |          |          |          |           |        |                           |                           |                           |  |        |   |   |   |  |         |  |  |  |                         |

| Components                                 | Specification   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
|--|---|-------------------------|---------------------------------|--|-----------------|--|-----------------|----------------------|--------------------------------------|----------------------|------------------------|-----------------------------------|------------------------|---|---|---|
| Operating systems supported                | Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Red Hat Enterprise Linux 6.5/6.6/7. SUSE Linux Enterprise Server 11. VMware vSphere (ESXi) 5.1 P5/5.5 U2/6.0  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
| Base warranty                              | 3-year limited onsite service with 9x5/NBD. Some parts are Customer Replaceable Units   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
| Power supply                               | Up to two redundant hot-swap 550W/750W/1100W power supplies. 550W and 1100W are 80 PLUS Platinum qualified. 750W is 80 PLUS Platinum or Titanium qualified.<br><table border="1"> <thead> <tr> <th rowspan="2">Disk bay configuration</th> <th colspan="3">PSU requirements</th> </tr> <tr> <th>550W</th> <th>750W</th> <th>1100W</th> </tr> </thead> <tbody> <tr> <td>4x3.5"</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>12x2.5"</td> <td>•</td> <td>•</td> <td>•</td> </tr> </tbody> </table> <i>Note: 750W Titanium is 200V - 240V, others are 110V - 240V.</i>   | Disk bay configuration  | PSU requirements                |  |                 | 550W                                       | 750W            | 1100W                | 4x3.5"                               | •                    | •                      | •                                 | 12x2.5"                | • | • | • |
| Disk bay configuration                     | PSU requirements  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
|  | 550W  | 750W                    | 1100W                           |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
| 4x3.5"                                     | •   | •                       | •                               |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
| 12x2.5"                                    | •   | •                       | •                               |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
| Graphics                                   | Onboard Aspeed AST2400 with 16MB memory, one DisplayPort on front, one DisplayPort on rear. Maximum resolution: 1920x1200@60Hz  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
| Front ports                                | (Only 3.5" model) Two USB 2.0, one DisplayPort  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
| Rear ports                                 | One DisplayPort, two USB 3.0, one RJ-45 (dedicate mgmt), one serial (9-pin)   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
| Cooling                                    | 8 (7+1, dual processors) or 6 (5+1, single processor), hot-swap   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
| Noise emissions                            | Operating: < 6.5 Bels. Idle: < 6 Bels (Maximum configuration)   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
| Environmental specification                | <table border="1"> <tbody> <tr> <td>Temperature - operating</td> <td>41 °F to 113 °F (5 °C to 45 °C)</td> </tr> <tr> <td>Temperature - non operating (no package)</td> <td>-10 °C to 60 °C</td> </tr> <tr> <td>Temperature - non operating (with package)</td> <td>-40 °C to 60 °C</td> </tr> <tr> <td>Altitude - operating</td> <td>(Unpressurized): 0-10000ft (0-3048m)</td> </tr> <tr> <td>Humidity - operating</td> <td>8%-90%, non-condensing</td> </tr> <tr> <td>Humidity - storage (with package)</td> <td>8%-90%, non-condensing</td> </tr> </tbody> </table> <i>Note: 45 °C continuous operation configuration limitation: no 145W CPU/no 135W 4, 6, or 8 cores CPU/no GPU card/redundant PSU/no FLFH card/no PCIe SSD adapter/no 1100W PSU.</i> | Temperature - operating | 41 °F to 113 °F (5 °C to 45 °C) | Temperature - non operating (no package) | -10 °C to 60 °C | Temperature - non operating (with package) | -40 °C to 60 °C | Altitude - operating | (Unpressurized): 0-10000ft (0-3048m) | Humidity - operating | 8%-90%, non-condensing | Humidity - storage (with package) | 8%-90%, non-condensing |   |   |   |
| Temperature - operating                    | 41 °F to 113 °F (5 °C to 45 °C)   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
| Temperature - non operating (no package)   | -10 °C to 60 °C   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
| Temperature - non operating (with package) | -40 °C to 60 °C   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
| Altitude - operating                       | (Unpressurized): 0-10000ft (0-3048m)  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
| Humidity - operating                       | 8%-90%, non-condensing  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |
| Humidity - storage (with package)          | 8%-90%, non-condensing  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |   |

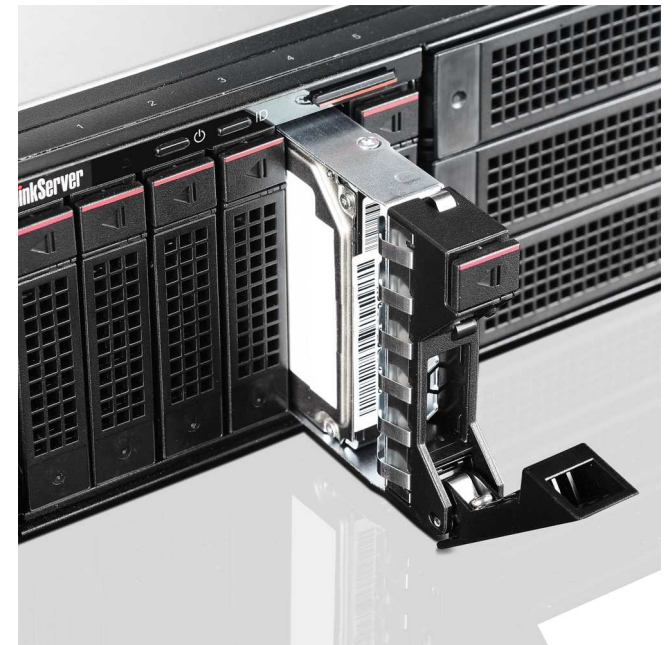
## Expansion slots

|                       |  |
|-----------------------|--|
| <b>3.5" model</b>     |               |
|                       | AnyFabric slot 1 (Network adapter is optional)    Optional 2 x 2.5" rear bays                    |
| Slot 1 (riser card 1) | PCIe 3.0 x 16, low-profile, half length  |
| Slot 2 (riser card 2) | PCIe 3.0 x 16, low-profile, half length, requires 2nd riser card and 2nd CPU                     |
| <b>2.5" model</b>     |               |
|                       | AnyFabric slot 1 (Network adapter is optional)    AnyFabric slot 2 (Network adapter is optional) |
| Slot 1 (riser card 1) | PCIe 3.0 x 16 (x8 wired), low-profile, half length   |
| Slot 2 (riser card 1) | PCIe 3.0 x 16 (x8 wired), low-profile, half length   |
| Slot 3 (riser card 2) | PCIe 3.0 x 16, low-profile, half length, requires 2nd riser card and 2nd CPU                     |



| Model      | Region | Processor  | 2nd CPU    | Memory                     | Storage Controller   | Disk Bays | Disks                         | Slots   | Optical      | Add-on NIC            | TPM | System Mgmt | OS   | Warranty | Power Supply    | Ann Date (m/y) |
|------------|--------|--|------------|----------------------------|----------------------|-----------|-------------------------------|---------|--------------|-----------------------|-----|-------------|------|----------|-----------------|----------------|
| 70CV001CUX | US     | 1xXeon E5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600   | 4XG0F28803 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 110i         | 4x3.5" HS | Open                          | 1xLP HL | 9.5mm DVD±RW | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 09/14          |
| 70CV001DUX | US     | 1xXeon E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28802 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 110i         | 4x3.5" HS | Open                          | 1xLP HL | 9.5mm DVD±RW | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 09/14          |
| 70CV001EUX | US     | 1xXeon E5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866   | 4XG0F28800 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 510i         | 4x3.5" HS | Open                          | 1xLP HL | 9.5mm DVD±RW | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 09/14          |
| 70CV001FUX | US     | 1xXeon E5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133 | 4XG0F28799 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 510i         | 4x3.5" HS | Open                          | 1xLP HL | 9.5mm DVD±RW | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 09/14          |
| 70CV001GUX | US     | 1xXeon E5-2670 v3 12C/2.3GHz/30MB/120W/DDR4-2133 | 4XG0F28797 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 720i+1GB RAM | 4x3.5" HS | Open                          | 1xLP HL | 9.5mm DVD±RW | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 09/14          |
| 70CV001JUX | US     | 1xXeon E5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600   | 4XG0F28803 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 510i         | 4x3.5" HS | Open                          | 1xLP HL | 9.5mm DVD±RW | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 10/14          |
| 70CV001KUX | US     | 1xXeon E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28802 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 510i         | 4x3.5" HS | Open                          | 1xLP HL | 9.5mm DVD±RW | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 10/14          |
| 70CV001LUX | US     | 1xXeon E5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866   | 4XG0F28801 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 510i         | 4x3.5" HS | Open                          | 1xLP HL | 9.5mm DVD±RW | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 10/14          |
| 70CV001MUX | US     | 2xXeon E5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866   | -          | 2x8GB RDIMM DDR4-2133 ECC  | AnyRAID 510i         | 4x3.5" HS | Open                          | 2xLP HL | 9.5mm DVD±RW | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 10/14          |
| 70CV001NUX | US     | 1xXeon E5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600   | 4XG0F28804 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 110i         | 4x3.5" HS | Open                          | None    | None         | None                  | TPM | TSM         | None | 3-year   | 550Wx1 Platinum | 10/14          |
| 70CV001SUX | US     | 1xXeon E5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866   | 4XG0F28801 | 2x8GB RDIMM DDR4-2133 ECC  | AnyRAID 110i         | 4x3.5" HS | 2x1TB HDD 7.2K 3.5" SATA6Gbps | 1xLP HL | 9.5mm DVD±RW | GbEx4 RJ-45 AnyFabric | TPM | TSM Premium | None | 3-year   | 750Wx2 Platinum | 02/15          |
| 70CV001TUX | US     | 2xXeon E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | -          | 2x16GB RDIMM DDR4-2133 ECC | AnyRAID 110i         | 4x3.5" HS | Open                          | 2xLP HL | 9.5mm DVD±RW | GbEx4 RJ-45 AnyFabric | TPM | TSM Premium | None | 3-year   | 750Wx2 Platinum | 09/15          |

| Model      | Region | Processor  | 2nd CPU    | Memory                     | Storage Controller    | Disk Bays  | Disks                          | Slots   | Optical | Add-on NIC            | TPM | System Mgmt | OS   | Warranty | Power Supply    | Ann Date (m/y) |
|------------|--------|--|------------|----------------------------|-----------------------|------------|--------------------------------|---------|---------|-----------------------|-----|-------------|------|----------|-----------------|----------------|
| 70CX001XUX | US     | 1xXeon E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28802 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 510i+Key      | 8x2.5" HS  | Open                           | 2xLP HL | None    | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 09/14          |
| 70CX001YUX | US     | 1xXeon E5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866   | 4XG0F28800 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 510i+Key      | 8x2.5" HS  | Open                           | 2xLP HL | None    | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 09/14          |
| 70CX0020UX | US     | 1xXeon E5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133 | 4XG0F28799 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 720ix+1GB RAM | 12x2.5" HS | Open                           | 2xLP HL | None    | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 09/14          |
| 70CX0021UX | US     | 1xXeon E5-2670 v3 12C/2.3GHz/30MB/120W/DDR4-2133 | 4XG0F28797 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 720ix+1GB RAM | 12x2.5" HS | Open                           | 2xLP HL | None    | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 09/14          |
| 70CX0023UX | US     | 1xXeon E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28802 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 720ix+1GB RAM | 12x2.5" HS | Open                           | 2xLP HL | None    | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 10/14          |
| 70CX0024UX | US     | 1xXeon E5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866   | 4XG0F28801 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 720ix+1GB RAM | 12x2.5" HS | Open                           | 2xLP HL | None    | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 10/14          |
| 70CX0025UX | US     | 1xXeon E5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866   | 4XG0F28801 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 510i          | 8x2.5" HS  | Open                           | 2xLP HL | None    | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 10/14          |
| 70CX0027UX | US     | 1xXeon E5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600   | 4XG0F28804 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 110i          | 8x2.5" HS  | Open                           | None    | None    | None                  | TPM | TSM         | None | 3-year   | 750Wx1 Platinum | 10/14          |
| 70CX002VUX | US     | 1xXeon E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28802 | 2x16GB RDIMM DDR4-2133 ECC | AnyRAID 510i+Key      | 8x2.5" HS  | 2x300GB HDD 15K 2.5" SAS12Gbps | None    | None    | GbEx4 RJ-45 AnyFabric | TPM | TSM Premium | None | 3-year   | 750Wx2 Platinum | 02/16          |



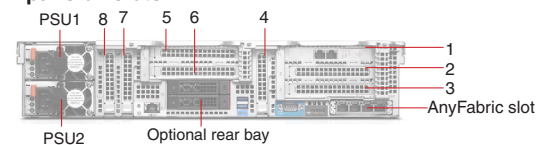
# ThinkServer RD650 Platform Specifications

Product Specifications Reference (PSREF)

| Components             | Specification   |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
|------------------------|---|------------------------|--|----------------------------------|--|--|----------|----------|----------|-----------|--------|---|---|---|--|---------|--|--|--|---------------------------|--------|--|---|---|--------------------------------|---------|--|--|--|---------------------------|---------|--|--|--|----------------------------------|---------------|--|--|--|----------------------------------|
| Dimensions             | 2U rack. Height: 87 mm (3.4 in), width: 482 mm (19 in), depth: 764 mm (30 in)   |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| Weight                 | Minimum configuration: 16 kg (35.3 lb), maximum: 32 kg (70.5 lb)  |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| Processor              | Up to two <b>145W Intel Xeon E5-2600 v3</b> family (code name: Haswell) processors with 18 cores up to 2.3GHz, 16 cores up to 2.3GHz, 14 cores up to 2.6GHz, 12 cores up to 2.6GHz, 10 cores up to 2.6GHz, 8 cores up to 3.2GHz, 6 cores up to 3.4GHz, 4 cores up to 3.5GHz. Two QPI link up to 9.6 GT/s. Up to 2133MHz memory speed. Up to 45MB cache  |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| Chipset                | Intel C610 Series Chipset   |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| Memory DIMMs           | 24 DIMM sockets (12 DIMMs per processor), 8-channel capable (4-channel per processor). RDIMM and LRDIMM (cannot be intermixed), DDR4, LRDIMM up to DDR4-2133, RDIMM up to DDR4-2400   |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| Memory capacity        | 384GB (RDIMM, 16GB x 24)/768GB (LRDIMM, 32GB x 24)  |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| Memory protection      | ECC, memory mirroring, lockstep, and memory sparing   |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| AnyRAID support        | RAID 0, 1, 10 with AnyRAID 110i. 6Gb/s SATA, optional key for RAID 5.<br>RAID 0, 1, 10 with AnyRAID 510i. 6Gb/s SAS/SATA, optional key for RAID 5/50.<br>RAID 0, 1, 10, 5, 50, 6, 60 with AnyRAID 720i/720ix. 12Gb/s SAS/SATA. 720i needs cache for RAID 6/60 support. 720ix must have cache.<br>Optional cache for 720i/720ix: 1GB read-only memory. 1GB/2GB/4GB flash with super capacitor. Flash options include CacheVault, CacheCade Pro, and FastPath   |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| Disk drive bays        | Up to 12 3.5", 24 2.5", or 6 2.5" plus 9 3.5" hot-swap disk bays on front.<br>Up to 4 2.5" bays on 24 2.5" or 2.5" + 3.5" models can support easy-swap PCIe SSD via optional Anybay kit (consumes two PCIe slots).<br>Up to 2 2.5" rear mounted hot-swap disk bays, optional.<br>Up to 2 M.2 SSD drives via optional M.2 module.<br>Up to one internal LTO-6 SAS tape drive on 8 x 2.5" and 720ix model, or external RDX tape drive via USB.  |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
|                        | <table border="1"> <thead> <tr> <th rowspan="2">Disk bay configuration</th> <th colspan="4">AnyRAID requirements and optional drives supported</th> </tr> <tr> <th>RAID110i</th> <th>RAID510i</th> <th>RAID720i</th> <th>RAID720ix</th> </tr> </thead> <tbody> <tr> <td>6x3.5"</td> <td>•</td> <td>•</td> <td>•</td> <td></td> </tr> <tr> <td>12x3.5"</td> <td></td> <td></td> <td></td> <td>• (optional rear bay/M.2)</td> </tr> <tr> <td>8x2.5"</td> <td></td> <td>•</td> <td>•</td> <td>• (optional tape/rear bay/M.2)</td> </tr> <tr> <td>16x2.5"</td> <td></td> <td></td> <td></td> <td>• (optional rear bay/M.2)</td> </tr> <tr> <td>24x2.5"</td> <td></td> <td></td> <td></td> <td>• (optional Anybay/rear bay/M.2)</td> </tr> <tr> <td>6x2.5"+9x3.5"</td> <td></td> <td></td> <td></td> <td>• (optional Anybay/rear bay/M.2)</td> </tr> </tbody> </table> | Disk bay configuration | AnyRAID requirements and optional drives supported |                                  |  |  | RAID110i | RAID510i | RAID720i | RAID720ix | 6x3.5" | • | • | • |  | 12x3.5" |  |  |  | • (optional rear bay/M.2) | 8x2.5" |  | • | • | • (optional tape/rear bay/M.2) | 16x2.5" |  |  |  | • (optional rear bay/M.2) | 24x2.5" |  |  |  | • (optional Anybay/rear bay/M.2) | 6x2.5"+9x3.5" |  |  |  | • (optional Anybay/rear bay/M.2) |
| Disk bay configuration | AnyRAID requirements and optional drives supported  |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
|                        | RAID110i  | RAID510i               | RAID720i   | RAID720ix                        |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| 6x3.5"                 | •   | •                      | •  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| 12x3.5"                |   |                        |  | • (optional rear bay/M.2)        |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| 8x2.5"                 |   | •                      | •  | • (optional tape/rear bay/M.2)   |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| 16x2.5"                |   |                        |  | • (optional rear bay/M.2)        |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| 24x2.5"                |   |                        |  | • (optional Anybay/rear bay/M.2) |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| 6x2.5"+9x3.5"          |   |                        |  | • (optional Anybay/rear bay/M.2) |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| Internal disk drive    | 3.5" HDD up to 12TB (SATA)/8TB(SAS). 2.5" HDD up to 1.8TB (SAS)/2TB (SATA). 2.5" SSD up to 1.6TB (SATA/SAS). Easy-swap PCIe SSD up to 1.92TB. PCIe SSD adapter up to 3.84TB. M.2 SSD up to 120GB. 2.5" SSD and HDD are compatible with 3.5" bay   |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| SD module              | Up to 2 SDHC flash cards via optional SD module, 8GB or 32GB each   |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| Optical drive          | Optional one 9.5mm optical drive on 8 or 16 x 2.5" model, DVD-ROM or DVD±RW   |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| Network interfaces     | One dedicated management port, one AnyFabric slot for customized LOM. Discrete network options is also available via PCIe slots   |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| Security features      | Power-on and administrator password. Optional TPM (TCG 1.2-compliant)<br>Supports ThinkServer System Manager (TSM), optional TSM Premium.<br>UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC).<br>Control Panel LEDs shows the status of power, ID, network, system.  |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |
| Systems management     | Supports ThinkServer management software: Diagnostics, Deployment Manager, Energy Manager, System Manager, Partner Pack for VMware vCenter and Microsoft System Center Operations Manager, Power Planner  |                        |  |                                  |  |  |          |          |          |           |        |   |   |   |  |         |  |  |  |                           |        |  |   |   |                                |         |  |  |  |                           |         |  |  |  |                                  |               |  |  |  |                                  |

| Components                                 | Specification  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
|--|--|-------------------------|---------------------------------|--|-----------------|--|-----------------|----------------------|--------------------------------------|----------------------|------------------------|-----------------------------------|------------------------|---|---|---------|--------------------|--|--|--|--------|---|---|---|---|---------|--|--|--|--|---------|---|---|---|---|-----------|---|---|---|---|
| Operating systems supported                | Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Red Hat Enterprise Linux 6.5/6.6/7. SUSE Linux Enterprise Server 11. VMware vSphere (ESXi) 5.1 P5/5.5 U2/6.0   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| Base warranty                              | 3-year limited onsite service with 9x5/NBD.  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| Power supply                               | Up to two redundant hot-swap 550W/750W/1100W/1600W power supplies. 550W, 1100W, and 1600W are 80 PLUS Platinum qualified. 750W is 80 PLUS Platinum or Titanium qualified.  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
|  | <table border="1"> <thead> <tr> <th rowspan="2">Disk bay configuration</th> <th colspan="4">PSU requirements</th> </tr> <tr> <th>550W</th> <th>750W</th> <th>1100W</th> <th>1600W</th> </tr> </thead> <tbody> <tr> <td>6x3.5"</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>12x3.5"</td> <td colspan="4">• (up to 135W CPU)</td> </tr> <tr> <td>8x2.5"</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>16x2.5"</td> <td colspan="4">• (up to 105W CPU+24 DIMMs or 135W+16 DIMMs)</td> </tr> <tr> <td>24x2.5"</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>2.5"+3.5"</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> </tbody> </table> <p>Note: 1. 750W Titanium is 200V - 240V, others are 110V - 240V. 2. 1600W will automatically operate in 1100W if the system line input is 100-127V.</p> | Disk bay configuration  | PSU requirements                |  |                 |  | 550W            | 750W                 | 1100W                                | 1600W                | 6x3.5"                 | •                                 | •                      | • | • | 12x3.5" | • (up to 135W CPU) |  |  |  | 8x2.5" | • | • | • | • | 16x2.5" | • (up to 105W CPU+24 DIMMs or 135W+16 DIMMs) |  |  |  | 24x2.5" | • | • | • | • | 2.5"+3.5" | • | • | • | • |
| Disk bay configuration                     | PSU requirements   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
|  | 550W   | 750W                    | 1100W                           | 1600W                                    |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| 6x3.5"                                     | •  | •                       | •                               | •  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| 12x3.5"                                    | • (up to 135W CPU)   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| 8x2.5"                                     | •  | •                       | •                               | •  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| 16x2.5"                                    | • (up to 105W CPU+24 DIMMs or 135W+16 DIMMs)   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| 24x2.5"                                    | •  | •                       | •                               | •  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| 2.5"+3.5"                                  | •  | •                       | •                               | •  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| Graphics                                   | Onboard Aspeed AST2400 with 16MB memory, one DisplayPort on rear   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| Front ports                                | (Only 2.5" bay models) Two USB 2.0, one DisplayPort  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| Rear ports                                 | One DisplayPort, two USB 3.0, one RJ-45 (dedicate mgmt), one serial (9-pin)  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| Cooling                                    | Six (5+1, dual processors) or four (3+1, single processor), hot-swap   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| Noise emissions                            | Operating: < 6.5 Bels. Idle: < 6 Bels (Maximum configuration)  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| Environmental specification                | <table border="1"> <tbody> <tr> <td>Temperature - operating</td> <td>41 °F to 113 °F (5 °C to 45 °C)</td> </tr> <tr> <td>Temperature - non operating (no package)</td> <td>-10 °C to 60 °C</td> </tr> <tr> <td>Temperature - non operating (with package)</td> <td>-40 °C to 60 °C</td> </tr> <tr> <td>Altitude - operating</td> <td>(Unpressurized): 0-10000ft (0-3048m)</td> </tr> <tr> <td>Humidity - operating</td> <td>8%-90%, non-condensing</td> </tr> <tr> <td>Humidity - storage (with package)</td> <td>8%-90%, non-condensing</td> </tr> </tbody> </table> <p>Note: 45 °C continuous operation configuration limitation: no 135W or 145W CPU/no GPU card/redundant PSU/no FLFH card/no PCIe SSD adapter.</p>  | Temperature - operating | 41 °F to 113 °F (5 °C to 45 °C) | Temperature - non operating (no package) | -10 °C to 60 °C | Temperature - non operating (with package) | -40 °C to 60 °C | Altitude - operating | (Unpressurized): 0-10000ft (0-3048m) | Humidity - operating | 8%-90%, non-condensing | Humidity - storage (with package) | 8%-90%, non-condensing |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| Temperature - operating                    | 41 °F to 113 °F (5 °C to 45 °C)  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| Temperature - non operating (no package)   | -10 °C to 60 °C  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| Temperature - non operating (with package) | -40 °C to 60 °C  |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| Altitude - operating                       | (Unpressurized): 0-10000ft (0-3048m)   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| Humidity - operating                       | 8%-90%, non-condensing   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |
| Humidity - storage (with package)          | 8%-90%, non-condensing   |                         |                                 |  |                 |  |                 |                      |                                      |                      |                        |                                   |                        |   |   |         |                    |  |  |  |        |   |   |   |   |         |  |  |  |  |         |   |   |   |   |           |   |   |   |   |

## Expansion slots



|                       |  |
|-----------------------|--|
| Slot 1 (riser card 1) | PCIe 3.0 x 16, half length, full height                                      |
| Slot 2 (riser card 1) | PCIe 3.0 x 16, half length, full height                                      |
| Slot 3 (riser card 1) | PCIe 3.0 x 16, half length, full height                                      |
| Slot 4 (onboard)      | PCIe 3.0 x 16, low-profile, half length, requires 2nd CPU                    |
| Slot 5 (riser card 2) | PCIe 3.0 x 16, half length, full height, requires 2nd riser card and 2nd CPU |
| Slot 6 (riser card 2) | PCIe 3.0 x 16, half length, full height, requires 2nd riser card and 2nd CPU |
| Slot 7 (onboard)      | PCIe 3.0 x 16, low-profile, half length, requires 2nd CPU                    |
| Slot 8 (onboard)      | PCIe 3.0 x 16, low-profile, half length, requires 2nd CPU                    |

Notes:  
On 2.5" disk bay models, slots 1 and 2 can be replaced with one PCIe 3.0 x 16 slot, double wide, full length, full height. Slots 5 and 6 can be replaced with one PCIe 3.0 x 16 slot, double wide, full length, full height.

| Model      | Region | Processor                                   | 2nd CPU    | Memory                    | Storage Controller    | Disk Bays  | Disks | Slots   | Optical | Add-on NIC | TPM | System Mgmt | OS   | Warranty | Power Supply     | Ann Date (m/y) |
|------------|--------|---|------------|---------------------------|-----------------------|------------|-------|---------|---------|------------|-----|-------------|------|----------|------------------|----------------|
| 70D0000FUX | US     | 1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600   | 4XG0F28820 | 1x8GB RDIMM DDR4-2133 ECC | AnyRAID 720ix+1GB RAM | 12x3.5" HS | Open  | 3xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 1100Wx1 Platinum | 09/14          |
| 70D0000GUX | US     | 1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28819 | 1x8GB RDIMM DDR4-2133 ECC | AnyRAID 720ix+1GB RAM | 12x3.5" HS | Open  | 3xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 1100Wx1 Platinum | 09/14          |
| 70D0000HUX | US     | 1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866   | 4XG0F28817 | 1x8GB RDIMM DDR4-2133 ECC | AnyRAID 720ix+1GB RAM | 12x3.5" HS | Open  | 3xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 1100Wx1 Platinum | 09/14          |
| 70D0000JUX | US     | 1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133 | 4XG0F28816 | 1x8GB RDIMM DDR4-2133 ECC | AnyRAID 720ix+1GB RAM | 12x3.5" HS | Open  | 3xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 1100Wx1 Platinum | 09/14          |
| 70D0000KUX | US     | 1xE5-2690 v3 12C/2.6GHz/30MB/135W/DDR4-2133 | 4XG0F28811 | 1x8GB RDIMM DDR4-2133 ECC | AnyRAID 720ix+1GB RAM | 12x3.5" HS | Open  | 3xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 1100Wx1 Platinum | 09/14          |
| 70D00025UX | US     | 1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866   | 4XG0F28818 | 1x8GB RDIMM DDR4-2133 ECC | AnyRAID 720ix+1GB RAM | 12x3.5" HS | Open  | 3xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 1100Wx1 Platinum | 10/14          |
| 70D00026UX | US     | 1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600   | 4XG0F28821 | 1x8GB RDIMM DDR4-2133 ECC | AnyRAID 110i          | 6x3.5" HS  | Open  | None    | None    | None       | TPM | TSM         | None | 3-year   | 550Wx1 Platinum  | 10/14          |
| 70D0002BUX | US     | 1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866   | 4XG0F28818 | 1x8GB RDIMM DDR4-2133 ECC | AnyRAID 720ix+1GB RAM | 12x3.5" HS | Open  | 3xFH HL | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1 Platinum  | 02/15          |

# ThinkServer RD650 - TopSeller - 70D2

Product Specifications Reference (PSREF)

| Model      | Region | Processor                                 | 2nd CPU    | Memory                       | Storage Controller          | Disk Bays     | Disks | Slots | Optical | Add-on NIC | TPM | System Mgmt | OS   | Warranty | Power Supply       | Ann Date (m/y) |
|------------|--------|---|------------|------------------------------|-----------------------------|---------------|-------|-------|---------|------------|-----|-------------|------|----------|--------------------|----------------|
| 70D20024UX | US     | 1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600 | 4XG0F28821 | 1x8GB RDIMM<br>DDR4-2133 ECC | AnyRAID<br>720ix+1GB<br>RAM | 24x2.5"<br>HS | Open  | None  | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 10/14          |

| Model      | Region | Processor                                   | 2nd CPU    | Memory                     | Storage Controller      | Disk Bays       | Disks  | Slots             | Optical | Add-on NIC              | TPM | System Mgmt | OS   | Warranty | Power Supply     | Ann Date (m/y) |
|------------|--------|---|------------|----------------------------|-------------------------|-----------------|--|-------------------|---------|-------------------------|-----|-------------|------|----------|------------------|----------------|
| 70D4000CUX | US     | 1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28819 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 720ix+1GB RAM   | 6+9 HS          | Open   | 3xFH HL           | None    | None                    | TPM | TSM         | None | 3-year   | 1100Wx1 Platinum | 09/14          |
| 70D4000DUX | US     | 1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866   | 4XG0F28817 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 720ix+1GB RAM   | 6+9 HS          | Open   | 3xFH HL           | None    | None                    | TPM | TSM         | None | 3-year   | 1100Wx1 Platinum | 09/14          |
| 70D4000EUX | US     | 1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133 | 4XG0F28816 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 720ix+1GB RAM   | 6+9 HS          | Open   | 3xFH HL           | None    | None                    | TPM | TSM         | None | 3-year   | 1100Wx1 Platinum | 09/14          |
| 70D4000FUX | US     | 1xE5-2690 v3 12C/2.6GHz/30MB/135W/DDR4-2133 | 4XG0F28811 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 720ix+1GB RAM   | 6+9 HS          | Open   | 3xFH HL           | None    | None                    | TPM | TSM         | None | 3-year   | 1100Wx1 Platinum | 09/14          |
| 70D4001RUX | US     | 1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600   | 4XG0F28821 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 720ix+1GB RAM   | 6+9 HS          | Open   | None              | None    | None                    | TPM | TSM         | None | 3-year   | 750Wx1 Platinum  | 10/14          |
| 70D4001UUX | US     | 1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133 | 4XG0F28816 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 720ix+1GB RAM   | 6+9 HS          | Open   | 3xFH HL           | None    | None                    | TPM | TSM         | None | 3-year   | 750Wx1 Platinum  | 02/15          |
| 70D40025UX | US     | 2xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | -          | 2x16GB RDIMM DDR4-2133 ECC | AnyRAID 720ix+1GB Flash | 6+9 HS          | Open   | 5xFH HL + 3xLP HL | None    | 10GbEx2 RJ-45 AnyFabric | TPM | TSM Premium | None | 3-year   | 750Wx2 Platinum  | 09/15          |
| 70D40026UX | US     | 2xE5-2690 v3 12C/2.6GHz/30MB/135W/DDR4-2133 | -          | 8x16GB RDIMM DDR4-2133 ECC | AnyRAID 720ix+1GB RAM   | 6+9 HS          | 4x600GB HDD 10K 2.5" SAS12Gbps                               | 3xLP HL           | None    | GbEx4 RJ-45 AnyFabric   | TPM | TSM Premium | None | 3-year   | 1100Wx2 Platinum | 02/16          |
| 70D40027UX | US     | 1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133 | 4XG0F28816 | 4x16GB RDIMM DDR4-2133 ECC | AnyRAID 720ix+1GB RAM   | 6+9 HS          | 2x300GB HDD 15K 2.5" SAS12Gbps+2x2TB HDD 7.2K 3.5" SATA6Gbps | None              | None    | GbEx4 RJ-45 AnyFabric   | TPM | TSM Premium | None | 3-year   | 1100Wx2 Platinum | 02/16          |
| 70D40028UX | US     | 2xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133 | -          | 8x16GB RDIMM DDR4-2133 ECC | AnyRAID 720ix+1GB RAM   | 6+9 HS (AnyBay) | 2x120GB SSD 2.5" SATA6Gbps                                   | 3xFH HL + 3xLP HL | None    | GbEx4 RJ-45 AnyFabric   | TPM | TSM Premium | None | 3-year   | 750Wx2 Platinum  | 11/15          |
| 70D40029UX | US     | 2xE5-2690 v3 12C/2.6GHz/30MB/135W/DDR4-2133 | -          | 8x16GB RDIMM DDR4-2133 ECC | AnyRAID 720ix+1GB RAM   | 6+9 HS (AnyBay) | 2x120GB SSD 2.5" SATA6Gbps                                   | 3xFH HL + 3xLP HL | None    | GbEx4 RJ-45 AnyFabric   | TPM | TSM Premium | None | 3-year   | 750Wx2 Platinum  | 11/15          |

| Model      | Region | Processor                                   | 2nd CPU    | Memory                          | Storage Controller         | Disk Bays    | Disks                               | Slots                      | Optical         | Add-on NIC               | TPM | System Mgmt    | OS   | Warranty | Power Supply        | Ann Date (m/y) |
|------------|--------|---|------------|---------------------------------|----------------------------|--------------|-------------------------------------|----------------------------|-----------------|--------------------------|-----|----------------|------|----------|---------------------|----------------|
| 70DR000QUX | US     | 1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600   | 4XG0F28820 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | AnyRAID 510i               | 8x2.5"<br>HS | Open                                | 3xFH<br>HL                 | 9.5mm<br>DVD±RW | None                     | TPM | TSM            | None | 3-year   | 1100Wx1<br>Platinum | 09/14          |
| 70DR000RUX | US     | 1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28819 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | AnyRAID 510i               | 8x2.5"<br>HS | Open                                | 3xFH<br>HL                 | 9.5mm<br>DVD±RW | None                     | TPM | TSM            | None | 3-year   | 1100Wx1<br>Platinum | 09/14          |
| 70DR000SUX | US     | 1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866   | 4XG0F28817 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | AnyRAID 510i               | 8x2.5"<br>HS | Open                                | 3xFH<br>HL                 | 9.5mm<br>DVD±RW | None                     | TPM | TSM            | None | 3-year   | 1100Wx1<br>Platinum | 09/14          |
| 70DR000TUX | US     | 1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133 | 4XG0F28816 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | AnyRAID 510i               | 8x2.5"<br>HS | Open                                | 3xFH<br>HL                 | 9.5mm<br>DVD±RW | None                     | TPM | TSM            | None | 3-year   | 1100Wx1<br>Platinum | 09/14          |
| 70DR002KUX | US     | 1xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866   | 4XG0F28818 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | AnyRAID 510i               | 8x2.5"<br>HS | Open                                | 3xFH<br>HL                 | None            | None                     | TPM | TSM            | None | 3-year   | 1100Wx1<br>Platinum | 10/14          |
| 70DR002LUX | US     | 2xE5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866   | -          | 2x8GB RDIMM<br>DDR4-2133<br>ECC | AnyRAID 510i               | 8x2.5"<br>HS | Open                                | 3xFH<br>HL +<br>3xLP<br>HL | None            | None                     | TPM | TSM            | None | 3-year   | 1100Wx1<br>Platinum | 10/14          |
| 70DR002MUX | US     | 1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600   | 4XG0F28821 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | AnyRAID 510i               | 8x2.5"<br>HS | Open                                | 3xFH<br>HL                 | None            | None                     | TPM | TSM            | None | 3-year   | 750Wx1<br>Platinum  | 10/14          |
| 70DR002RUX | US     | 1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28819 | 2x8GB RDIMM<br>DDR4-2133<br>ECC | AnyRAID<br>720i+1GB<br>RAM | 8x2.5"<br>HS | 2x300GB HDD<br>10K 2.5"<br>SAS6Gbps | 3xFH<br>HL                 | None            | GbEx4 RJ-45<br>AnyFabric | TPM | TSM<br>Premium | None | 3-year   | 750Wx2<br>Platinum  | 02/15          |
| 70DR002SUX | US     | 1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28819 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | AnyRAID 510i               | 8x2.5"<br>HS | Open                                | 3xFH<br>HL                 | None            | None                     | TPM | TSM            | None | 3-year   | 750Wx1<br>Platinum  | 02/15          |



# ThinkServer RD650 - TopSeller - 70DT

Product Specifications Reference (PSREF)

| Model      | Region | Processor                                 | 2nd CPU    | Memory                          | Storage Controller            | Disk Bays     | Disks | Slots | Optical | Add-on NIC | TPM | System Mgmt | OS   | Warranty | Power Supply       | Ann Date (m/y) |
|------------|--------|---|------------|---------------------------------|-------------------------------|---------------|-------|-------|---------|------------|-----|-------------|------|----------|--------------------|----------------|
| 70DT000CUX | US     | 1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600 | 4XG0F28821 | 1x8GB RDIMM<br>DDR4-2133<br>ECC | AnyRAID<br>720ix+1GB<br>Flash | 16x2.5"<br>HS | Open  | None  | None    | None       | TPM | TSM         | None | 3-year   | 750Wx1<br>Platinum | 10/14          |



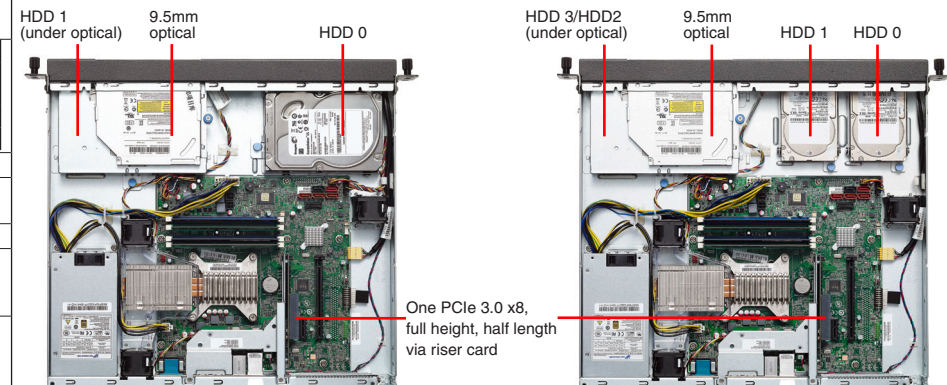
# ThinkServer RS140 Platform Specifications

| Components                  | Specification   |  |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
|-----------------------------|---|--|--------------------------------------|--------------------------------------|--------------|----------------------------|--------------|---------------|----------------------|--------------|--|---------------|-------------------------------------|
| Dimensions                  | 1U rack.<br>Height: 43.5 mm (1.71 in), width: 430 mm (16.9 in), depth: 411 mm (16.2 in)   |  |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
| Weight                      | Maximum configuration: 16.2 lb (7.36kg)   |  |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
| Processor                   | Supports one of the following Intel processors (code name: Haswell): <ul style="list-style-type: none"> <li>Xeon E3-1200 v3: up to 4C/3.7GHz/8MB/84W/1600MHz</li> <li>Core i3: up to 2C/3.7GHz/4MB/54W/1600MHz</li> <li>Pentium: up to 2C/3.4GHz/3MB/53W/1600MHz</li> <li>Celeron: up to 2C/2.9GHz/2MB/53W/1333MHz</li> </ul> <i>Note: Supports processors with integrated graphics only.</i>   |  |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
| Chipset                     | Intel C226 Platform Controller Hub (PCH)  |  |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
| Memory DIMMs                | 4 DIMM sockets, 2-channel capable. UDIMM, DDR3  |  |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
| Memory capacity             | 32GB (4 x 8GB)  |  |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
| Memory protection           | ECC   |  |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
| RAID controller             | RAID 0, 1, 5, 10 with onboard RAID 100, 6Gb/s SATA. RAID 0, 1, 10 with RAID 500, PCIe adapter, 6Gb/s SAS/SATA, optional key for RAID5. RAID 0, 1, 10, 5, 6 with RAID 700, PCIe adapter, 6Gb/s SAS/SATA, optional Intelligent Battery Backup Unit (iBBU08)<br><i>Note: RAID 5, 6, and 10 needs 4 x 2.5" bays.</i>  |  |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
| Disk drive bays             | Up to 2 3.5" disk bays or up to 4 2.5" disk bays. Direct cabled, non-hot swap.<br>Supports optional external USB RDX tape drive   |  |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
| Supporting disk drives      | <table border="1"> <tbody> <tr> <td rowspan="2">For 3.5" bay</td> <td>3.5" SATA HDD</td> <td>7.2K 6Gbs: 500GB/1TB/2TB/3TB/4TB/6TB</td> </tr> <tr> <td>3.5" SAS HDD</td> <td>7.2K 6Gbs: 1TB/2TB/3TB/4TB</td> </tr> <tr> <td rowspan="3">For 2.5" bay</td> <td>2.5" SATA HDD</td> <td>7.2K 6Gbs: 500GB/1TB</td> </tr> <tr> <td>2.5" SAS HDD</td> <td>10K 6Gbs: 300GB/600GB/900GB. 15K 6Gbs: 146GB/300GB</td> </tr> <tr> <td>2.5" SATA SSD</td> <td>6Gbs: 120GB/240GB/300GB/480GB/600GB</td> </tr> </tbody> </table> | For 3.5" bay                                       | 3.5" SATA HDD                        | 7.2K 6Gbs: 500GB/1TB/2TB/3TB/4TB/6TB | 3.5" SAS HDD | 7.2K 6Gbs: 1TB/2TB/3TB/4TB | For 2.5" bay | 2.5" SATA HDD | 7.2K 6Gbs: 500GB/1TB | 2.5" SAS HDD | 10K 6Gbs: 300GB/600GB/900GB. 15K 6Gbs: 146GB/300GB | 2.5" SATA SSD | 6Gbs: 120GB/240GB/300GB/480GB/600GB |
| For 3.5" bay                | 3.5" SATA HDD   |  | 7.2K 6Gbs: 500GB/1TB/2TB/3TB/4TB/6TB |                                      |              |                            |              |               |                      |              |  |               |                                     |
|                             | 3.5" SAS HDD  | 7.2K 6Gbs: 1TB/2TB/3TB/4TB                         |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
| For 2.5" bay                | 2.5" SATA HDD   | 7.2K 6Gbs: 500GB/1TB                               |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
|                             | 2.5" SAS HDD  | 10K 6Gbs: 300GB/600GB/900GB. 15K 6Gbs: 146GB/300GB |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
|                             | 2.5" SATA SSD   | 6Gbs: 120GB/240GB/300GB/480GB/600GB                |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
| Optical drive               | Up to one 9.5mm optical. DVD-ROM or DVD±RW  |  |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
| Network interfaces          | Two Gigabit Ethernet ports by Intel I210, on riser card.<br>One Gigabit Ethernet port by Intel I217, dedicate/share management  |  |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
| Security features           | Power-on and administrator password. TPM (TCG 1.2-compliant).   |  |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
| Systems management          | Intel Active Management Technology 9 on models with Xeon processor. Remote presence is supported on models with Xeon processors.<br>Supports ThinkServer EasyStartup/EasyUpdate   |  |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |
| Operating systems supported | Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Red Hat Enterprise Linux 6.5. SUSE Linux Enterprise Server 11 SP3. VMware vSphere (ESXi) 5.5<br><i>Note: VMware requires add-on network adapter.</i>  |  |                                      |                                      |              |                            |              |               |                      |              |  |               |                                     |

| Components                  | Specification   |   |
|-----------------------------|---|---|
| Base warranty               | 1 or 3-year limited onsite service with 9x5/NBD.  |   |
| Power supply                | One fixed 300 watts power supply, 80 PLUS Gold qualified  |   |
| Graphics                    | Integrated Intel HD Graphics in processor   |   |
| Front ports                 | Two USB 2.0   |   |
| Rear ports                  | Four USB 3.0, two USB 2.0, one serial (9-pin), two ethernet (RJ-45), one RJ-45 (dedicate/share mgmt), one VGA, one DisplayPort.<br>Optional two serial ports via PCIe adapter |   |
| Noise emissions             | Operating: < 5.2 Bels. Idle: < 5.0 Bels (Mainstream configuration)  |   |
| Environmental specification | RoHS-compliant.   |   |
|                             | Temperature - operating   | 50 °F to 95 °F (10 °C to 35 °C)                         |
|                             | Temperature - storage (with package)  | -40 °C to 70 °C   |
|                             | Altitude - operating  | Supported Altitude (unpressurized): 0-10000ft (0-3048m) |
|                             | Humidity - operating  | 10%-80%, non-condensing                                 |
|                             | Humidity - storage (with package)   | 10%-90%, non-condensing                                 |

### Expansion slots and disk bays

Supports one PCI-Express slot via riser card, half-length, full-height, PCIe 3.0 x8



| Model      | Region | Processor                                   | Memory                    | Storage Controller | Disk Bays | Disks                           | Optical      | Add-on NIC | Add-on Ports | System Mgmt | OS                  | Warranty | Power Supply    | Ann Date (m/y) |
|------------|--------|---|---------------------------|--------------------|-----------|---------------------------------|--------------|------------|--------------|-------------|---------------------|----------|-----------------|----------------|
| 70F30006UX | US     | Core i3-4130 2C/3.4GHz/3MB/54W/DDR3-1600    | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x2.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 06/14          |
| 70F30007UX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x2.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 06/14          |
| 70F30008UX | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x2.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 06/14          |
| 70F30009UX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 4x2.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 06/14          |
| 70F3000AUX | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 4x2.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 06/14          |
| 70F3000BUX | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 1x8GB UDIMM DDR3-1600 ECC | RAID 500+Key       | 4x2.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 06/14          |
| 70F3000CUX | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 1x8GB UDIMM DDR3-1600 ECC | RAID 700           | 4x2.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 06/14          |
| 70F3000DUS | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 2x4GB UDIMM DDR3-1600 ECC | RAID 500+Key       | 4x2.5" DC | 2x500GB HDD 7.2K 2.5" SATA6Gbps | 9.5mm DVD±RW | None       | None         | AMT9        | 2012 R2 Standard    | 1-year   | 300W Gold Fixed | 06/14          |
| 70F3000EUS | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 2x8GB UDIMM DDR3-1600 ECC | RAID 700           | 4x2.5" DC | 4x500GB HDD 7.2K 2.5" SATA6Gbps | 9.5mm DVD±RW | None       | None         | AMT9        | 2012 R2 Standard    | 1-year   | 300W Gold Fixed | 06/14          |
| 70F30017UX | US     | Core i3-4150 2C/3.5GHz/3MB/54W/DDR3-1600    | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x2.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 09/14          |
| 70F30018UX | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x2.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 09/14          |
| 70F30019UX | US     | Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x2.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 09/14          |
| 70F3001AUX | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 4x2.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 09/14          |
| 70F3001BUX | US     | Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 4x2.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 09/14          |
| 70F3001EUS | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x2.5" DC | 2x500GB HDD 7.2K 2.5" SATA6Gbps | 9.5mm DVD±RW | None       | None         | AMT9        | 2012 R2 Foundations | 1-year   | 300W Gold Fixed | 09/14          |
| 70F3001FUS | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x2.5" DC | 2x500GB HDD 7.2K 2.5" SATA6Gbps | 9.5mm DVD±RW | None       | None         | AMT9        | 2012 R2 Essentials  | 1-year   | 300W Gold Fixed | 09/14          |
| 70F3001GUS | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x2.5" DC | 2x120GB SSD 2.5" SATA6Gbps      | 9.5mm DVD±RW | None       | None         | AMT9        | 2012 R2 Foundations | 1-year   | 300W Gold Fixed | 09/14          |
| 70F3001HUS | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x2.5" DC | 2x120GB SSD 2.5" SATA6Gbps      | 9.5mm DVD±RW | None       | None         | AMT9        | 2012 R2 Essentials  | 1-year   | 300W Gold Fixed | 09/14          |

| Model      | Region | Processor                                   | Memory                    | Storage Controller | Disk Bays | Disks                           | Optical      | Add-on NIC | Add-on Ports | System Mgmt | OS                  | Warranty | Power Supply    | Ann Date (m/y) |
|------------|--------|---|---------------------------|--------------------|-----------|---------------------------------|--------------|------------|--------------|-------------|---------------------|----------|-----------------|----------------|
| 70F90007UX | US     | Core i3-4130 2C/3.4GHz/3MB/54W/DDR3-1600    | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 2x3.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 06/14          |
| 70F90008UX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 2x3.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 06/14          |
| 70F90009UX | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 2x3.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 06/14          |
| 70F9000AUX | US     | Core i3-4130 2C/3.4GHz/3MB/54W/DDR3-1600    | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 2x3.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 06/14          |
| 70F9000BUX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 2x3.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 06/14          |
| 70F9000CUX | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 2x3.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 06/14          |
| 70F9000DUX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 2x4GB UDIMM DDR3-1600 ECC | RAID 500           | 2x3.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 06/14          |
| 70F9000EUX | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 2x8GB UDIMM DDR3-1600 ECC | RAID 500           | 2x3.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 06/14          |
| 70F9000FUS | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 2x4GB UDIMM DDR3-1600 ECC | RAID 500           | 2x3.5" DC | 2x500GB HDD 7.2K 3.5" SATA6Gbps | 9.5mm DVD±RW | None       | None         | AMT9        | 2012 R2 Standard    | 1-year   | 300W Gold Fixed | 06/14          |
| 70F9000GUS | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 2x8GB UDIMM DDR3-1600 ECC | RAID 500           | 2x3.5" DC | 2x500GB HDD 7.2K 3.5" SATA6Gbps | 9.5mm DVD±RW | None       | None         | AMT9        | 2012 R2 Standard    | 1-year   | 300W Gold Fixed | 06/14          |
| 70F9000HUS | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 2x4GB UDIMM DDR3-1600 ECC | RAID 500           | 2x3.5" DC | 2x500GB HDD 7.2K 3.5" SATA6Gbps | 9.5mm DVD±RW | None       | None         | AMT9        | 2012 R2 Essentials  | 1-year   | 300W Gold Fixed | 06/14          |
| 70F9001MUX | US     | Core i3-4150 2C/3.5GHz/3MB/54W/DDR3-1600    | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 2x3.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 09/14          |
| 70F9001NUX | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 2x3.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 09/14          |
| 70F9001PUX | US     | Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 2x3.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 09/14          |
| 70F9001QUX | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 2x3.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 09/14          |
| 70F9001RUX | US     | Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 2x3.5" DC | Open                            | 9.5mm DVD±RW | None       | None         | AMT9        | None                | 1-year   | 300W Gold Fixed | 09/14          |
| 70F9001UUS | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 2x3.5" DC | 2x500GB HDD 7.2K 3.5" SATA6Gbps | 9.5mm DVD±RW | None       | None         | AMT9        | 2012 R2 Foundations | 1-year   | 300W Gold Fixed | 09/14          |
| 70F9001VUS | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 2x3.5" DC | 2x500GB HDD 7.2K 3.5" SATA6Gbps | 9.5mm DVD±RW | None       | None         | AMT9        | 2012 R2 Essentials  | 1-year   | 300W Gold Fixed | 09/14          |

# ThinkServer RS140 - 70F2

Product Specifications Reference (PSREF)

| Model      | Region | Processor                                   | Memory                       | Storage Controller | Disk Bays    | Disks | Optical | Add-on NIC | Add-on Ports | System Mgmt | OS   | Warranty | Power Supply       | Ann Date (m/y) |
|------------|--------|---|------------------------------|--------------------|--------------|-------|---------|------------|--------------|-------------|------|----------|--------------------|----------------|
| 70F20001UX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 2x4GB UDIMM<br>DDR3-1600 ECC | RAID 100           | 4x2.5"<br>DC | Open  | None    | None       | None         | AMT9        | None | 3-year   | 300W Gold<br>Fixed | 06/14          |
| 70F20002UX | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 2x8GB UDIMM<br>DDR3-1600 ECC | RAID 700           | 4x2.5"<br>DC | Open  | None    | None       | None         | AMT9        | None | 3-year   | 300W Gold<br>Fixed | 06/14          |

# ThinkServer RS140 - 70F8

Product Specifications Reference (PSREF)

| Model      | Region | Processor                                   | Memory                       | Storage Controller | Disk Bays | Disks | Optical         | Add-on NIC | Add-on Ports | System Mgmt | OS   | Warranty | Power Supply       | Ann Date (m/y) |
|------------|--------|---|------------------------------|--------------------|-----------|-------|-----------------|------------|--------------|-------------|------|----------|--------------------|----------------|
| 70F80000UX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 2x4GB UDIMM<br>DDR3-1600 ECC | RAID 100           | 2x3.5" DC | Open  | 9.5mm<br>DVD±RW | None       | None         | AMT9        | None | 3-year   | 300W Gold<br>Fixed | 06/14          |
| 70F80001UX | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 2x8GB UDIMM<br>DDR3-1600 ECC | RAID 500           | 2x3.5" DC | Open  | 9.5mm<br>DVD±RW | None       | None         | AMT9        | None | 3-year   | 300W Gold<br>Fixed | 06/14          |





# ThinkServer RS160 Platform Specifications

Product Specifications Reference (PSREF)

| Components         | Specification  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
|--------------------|--|---------------------------------|-----------------------------|-------------------|-----------------------------|------------------|-----------------------------|-----------------|-----------------------------|-----------------|-----------------------------|-----------------------------|-----------------------------|------------------|-----------------------------|---------------------------------|-----------------------------|---------------|-----------------------------|--------------|-----------------------------|---------------|-----------------------------|---------------|-----------------------------|---------------|-----------------------------|----------------|-----------------------------|---------------|-----------------------------|----------------|-----------------------------|----------------|-----------------------------|---------------|-----------------------------|----------------|
| Dimensions         | 1U rack. Height: 43.2 mm (1.7 in), width: 438.5 mm (17.26 in), depth: 393.7 mm (15.5 in)   |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Weight             | Minimum configuration: 6.2 kg (13.67 lb), maximum: 7.6 kg (16.76 lb)   |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Processor          | Supports one of the following Intel "Kaby Lake" processors:  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
|                    | <table border="1"> <tbody> <tr><td>Xeon E3-1280 v6</td><td>4C/3.9GHz/8MB/72W/DDR4-2400</td></tr> <tr><td>Xeon E3-1270 v6</td><td>4C/3.8GHz/8MB/72W/DDR4-2400</td></tr> <tr><td>Xeon E3-1240 v6</td><td>4C/3.7GHz/8MB/72W/DDR4-2400</td></tr> <tr><td>Xeon E3-1230 v6</td><td>4C/3.5GHz/8MB/72W/DDR4-2400</td></tr> <tr><td>Xeon E3-1225 v6</td><td>4C/3.3GHz/8MB/73W/DDR4-2400</td></tr> <tr><td>Xeon E3-1220 v6</td><td>4C/3GHz/8MB/72W/DDR4-2400</td></tr> <tr><td>Core i3-7320</td><td>2C/4.1GHz/4MB/51W/DDR4-2400</td></tr> <tr><td>Core i3-7300</td><td>2C/4GHz/4MB/51W/DDR4-2400</td></tr> <tr><td>Core i3-7300T</td><td>2C/3.5GHz/4MB/35W/DDR4-2400</td></tr> <tr><td>Core i3-7100</td><td>2C/3.9GHz/3MB/51W/DDR4-2400</td></tr> <tr><td>Core i3-7100T</td><td>2C/3.4GHz/3MB/35W/DDR4-2400</td></tr> <tr><td>Pentium G4620</td><td>2C/3.7GHz/3MB/51W/DDR4-2400</td></tr> <tr><td>Pentium G4600</td><td>2C/3.6GHz/3MB/51W/DDR4-2400</td></tr> <tr><td>Pentium G4600T</td><td>2C/3GHz/3MB/35W/DDR4-2400</td></tr> <tr><td>Pentium G4560</td><td>2C/3.5GHz/3MB/54W/DDR4-2400</td></tr> <tr><td>Pentium G4560T</td><td>2C/2.9GHz/3MB/35W/DDR4-2400</td></tr> <tr><td>Celeron G3950</td><td>2C/3GHz/2MB/51W/DDR4-2133</td></tr> <tr><td>Celeron G3930</td><td>2C/2.9GHz/2MB/51W/DDR4-2133</td></tr> <tr><td>Celeron G3930T</td><td>2C/2.7GHz/2MB/35W/DDR4-2133</td></tr> </tbody> </table> | Xeon E3-1280 v6                 | 4C/3.9GHz/8MB/72W/DDR4-2400 | Xeon E3-1270 v6   | 4C/3.8GHz/8MB/72W/DDR4-2400 | Xeon E3-1240 v6  | 4C/3.7GHz/8MB/72W/DDR4-2400 | Xeon E3-1230 v6 | 4C/3.5GHz/8MB/72W/DDR4-2400 | Xeon E3-1225 v6 | 4C/3.3GHz/8MB/73W/DDR4-2400 | Xeon E3-1220 v6             | 4C/3GHz/8MB/72W/DDR4-2400   | Core i3-7320     | 2C/4.1GHz/4MB/51W/DDR4-2400 | Core i3-7300                    | 2C/4GHz/4MB/51W/DDR4-2400   | Core i3-7300T | 2C/3.5GHz/4MB/35W/DDR4-2400 | Core i3-7100 | 2C/3.9GHz/3MB/51W/DDR4-2400 | Core i3-7100T | 2C/3.4GHz/3MB/35W/DDR4-2400 | Pentium G4620 | 2C/3.7GHz/3MB/51W/DDR4-2400 | Pentium G4600 | 2C/3.6GHz/3MB/51W/DDR4-2400 | Pentium G4600T | 2C/3GHz/3MB/35W/DDR4-2400   | Pentium G4560 | 2C/3.5GHz/3MB/54W/DDR4-2400 | Pentium G4560T | 2C/2.9GHz/3MB/35W/DDR4-2400 | Celeron G3950  | 2C/3GHz/2MB/51W/DDR4-2133   | Celeron G3930 | 2C/2.9GHz/2MB/51W/DDR4-2133 | Celeron G3930T |
| Xeon E3-1280 v6    | 4C/3.9GHz/8MB/72W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Xeon E3-1270 v6    | 4C/3.8GHz/8MB/72W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Xeon E3-1240 v6    | 4C/3.7GHz/8MB/72W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Xeon E3-1230 v6    | 4C/3.5GHz/8MB/72W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Xeon E3-1225 v6    | 4C/3.3GHz/8MB/73W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Xeon E3-1220 v6    | 4C/3GHz/8MB/72W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Core i3-7320       | 2C/4.1GHz/4MB/51W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Core i3-7300       | 2C/4GHz/4MB/51W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Core i3-7300T      | 2C/3.5GHz/4MB/35W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Core i3-7100       | 2C/3.9GHz/3MB/51W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Core i3-7100T      | 2C/3.4GHz/3MB/35W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Pentium G4620      | 2C/3.7GHz/3MB/51W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Pentium G4600      | 2C/3.6GHz/3MB/51W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Pentium G4600T     | 2C/3GHz/3MB/35W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Pentium G4560      | 2C/3.5GHz/3MB/54W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Pentium G4560T     | 2C/2.9GHz/3MB/35W/DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Celeron G3950      | 2C/3GHz/2MB/51W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Celeron G3930      | 2C/2.9GHz/2MB/51W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Celeron G3930T     | 2C/2.7GHz/2MB/35W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Processor          | Supports one of the following Intel "Skylake" processors:  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
|                    | <table border="1"> <tbody> <tr><td>Xeon E3-1280 v5</td><td>4C/3.7GHz/8MB/80W/DDR4-2133</td></tr> <tr><td>Xeon E3-1270 v5</td><td>4C/3.6GHz/8MB/80W/DDR4-2133</td></tr> <tr><td>Xeon E3-1240 v5</td><td>4C/3.5GHz/8MB/80W/DDR4-2133</td></tr> <tr><td>Xeon E3-1230 v5</td><td>4C/3.4GHz/8MB/80W/DDR4-2133</td></tr> <tr><td>Xeon E3-1220 v5</td><td>4C/3GHz/8MB/80W/DDR4-2133</td></tr> <tr><td>Xeon E3-1260L v5</td><td>4C/2.9GHz/8MB/45W/DDR4-2133</td></tr> <tr><td>Xeon E3-1240L v5</td><td>4C/2.1GHz/8MB/25W/DDR4-2133</td></tr> <tr><td>Xeon E3-1225 v5</td><td>4C/3.3GHz/8MB/80W/DDR4-2133</td></tr> <tr><td>Core i3-6320</td><td>2C/3.9GHz/4MB/51W/DDR4-2133</td></tr> <tr><td>Core i3-6300</td><td>2C/3.8GHz/4MB/51W/DDR4-2133</td></tr> <tr><td>Core i3-6100</td><td>2C/3.7GHz/3MB/51W/DDR4-2133</td></tr> <tr><td>Pentium G4520</td><td>2C/3.6GHz/3MB/51W/DDR4-2133</td></tr> <tr><td>Pentium G4500</td><td>2C/3.5GHz/3MB/51W/DDR4-2133</td></tr> <tr><td>Pentium G4400</td><td>2C/3.3GHz/3MB/54W/DDR4-2133</td></tr> <tr><td>Celeron G3920</td><td>2C/2.9GHz/2MB/51W/DDR4-2133</td></tr> <tr><td>Celeron G3900</td><td>2C/2.8GHz/2MB/51W/DDR4-2133</td></tr> <tr><td>Celeron G3900T</td><td>2C/2.6GHz/2MB/35W/DDR4-2133</td></tr> </tbody> </table>   | Xeon E3-1280 v5                 | 4C/3.7GHz/8MB/80W/DDR4-2133 | Xeon E3-1270 v5   | 4C/3.6GHz/8MB/80W/DDR4-2133 | Xeon E3-1240 v5  | 4C/3.5GHz/8MB/80W/DDR4-2133 | Xeon E3-1230 v5 | 4C/3.4GHz/8MB/80W/DDR4-2133 | Xeon E3-1220 v5 | 4C/3GHz/8MB/80W/DDR4-2133   | Xeon E3-1260L v5            | 4C/2.9GHz/8MB/45W/DDR4-2133 | Xeon E3-1240L v5 | 4C/2.1GHz/8MB/25W/DDR4-2133 | Xeon E3-1225 v5                 | 4C/3.3GHz/8MB/80W/DDR4-2133 | Core i3-6320  | 2C/3.9GHz/4MB/51W/DDR4-2133 | Core i3-6300 | 2C/3.8GHz/4MB/51W/DDR4-2133 | Core i3-6100  | 2C/3.7GHz/3MB/51W/DDR4-2133 | Pentium G4520 | 2C/3.6GHz/3MB/51W/DDR4-2133 | Pentium G4500 | 2C/3.5GHz/3MB/51W/DDR4-2133 | Pentium G4400  | 2C/3.3GHz/3MB/54W/DDR4-2133 | Celeron G3920 | 2C/2.9GHz/2MB/51W/DDR4-2133 | Celeron G3900  | 2C/2.8GHz/2MB/51W/DDR4-2133 | Celeron G3900T | 2C/2.6GHz/2MB/35W/DDR4-2133 |               |                             |                |
| Xeon E3-1280 v5    | 4C/3.7GHz/8MB/80W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Xeon E3-1270 v5    | 4C/3.6GHz/8MB/80W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Xeon E3-1240 v5    | 4C/3.5GHz/8MB/80W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Xeon E3-1230 v5    | 4C/3.4GHz/8MB/80W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Xeon E3-1220 v5    | 4C/3GHz/8MB/80W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Xeon E3-1260L v5   | 4C/2.9GHz/8MB/45W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Xeon E3-1240L v5   | 4C/2.1GHz/8MB/25W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Xeon E3-1225 v5    | 4C/3.3GHz/8MB/80W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Core i3-6320       | 2C/3.9GHz/4MB/51W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Core i3-6300       | 2C/3.8GHz/4MB/51W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Core i3-6100       | 2C/3.7GHz/3MB/51W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Pentium G4520      | 2C/3.6GHz/3MB/51W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Pentium G4500      | 2C/3.5GHz/3MB/51W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Pentium G4400      | 2C/3.3GHz/3MB/54W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Celeron G3920      | 2C/2.9GHz/2MB/51W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Celeron G3900      | 2C/2.8GHz/2MB/51W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Celeron G3900T     | 2C/2.6GHz/2MB/35W/DDR4-2133  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Chipset            | Intel C232 Platform Controller Hub (PCH)   |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Memory DIMMs       | 4 DIMM sockets with 2-channels. UDIMM. DDR4-2133 or DDR4-2400  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Memory capacity    | 64GB (16GB x 4)  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Memory protection  | ECC  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| RAID controller    | <table border="1"> <thead> <tr> <th>RAID controller</th> <th>Drive type</th> <th>RAID support</th> <th>Compatible models</th> </tr> </thead> <tbody> <tr> <td>Onboard RAID121i</td> <td>6Gbs SATA</td> <td>0/1/5/10</td> <td>2x3.5", 4x2.5"</td> </tr> <tr> <td>RAID520i PCIe</td> <td>12Gbs SAS/SATA</td> <td>0/1/10, 5 with optional key</td> <td>2x3.5", 4x2.5"</td> </tr> <tr> <td>RAID720i PCIe</td> <td>12Gbs SAS/SATA</td> <td>0/1/10/5, 6 with optional cache</td> <td>2x3.5", 4x2.5"</td> </tr> </tbody> </table>   | RAID controller                 | Drive type                  | RAID support      | Compatible models           | Onboard RAID121i | 6Gbs SATA                   | 0/1/5/10        | 2x3.5", 4x2.5"              | RAID520i PCIe   | 12Gbs SAS/SATA              | 0/1/10, 5 with optional key | 2x3.5", 4x2.5"              | RAID720i PCIe    | 12Gbs SAS/SATA              | 0/1/10/5, 6 with optional cache | 2x3.5", 4x2.5"              |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
|                    | RAID controller  | Drive type                      | RAID support                | Compatible models |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
|                    | Onboard RAID121i   | 6Gbs SATA                       | 0/1/5/10                    | 2x3.5", 4x2.5"    |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| RAID520i PCIe      | 12Gbs SAS/SATA   | 0/1/10, 5 with optional key     | 2x3.5", 4x2.5"              |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| RAID720i PCIe      | 12Gbs SAS/SATA   | 0/1/10/5, 6 with optional cache | 2x3.5", 4x2.5"              |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
|                    | Optional cache for RAID720i: 1GB memory. 1GB, 2GB, or 4GB flash with super capacitor.  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Disk drive bays    | Supports two 3.5" or four 2.5" disk drive bays. Non-hot swap. Cables are connected to onboard SATA connectors or PCIe RAID controller. Also supports one M.2 SATA SSD  |                                 |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
| Supporting storage | 3.5" HDD, 7.2K SATA6Gbs  | 1TB/2TB/4TB/6TB/8TB/10TB/12TB   |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
|                    | 3.5" HDD, 7.2K SAS12Gbs  | 1TB/2TB/4TB/6TB/8TB/10TB        |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
|                    | 3.5" SSD, SATA6Gbs (2.5" SSD with 3.5" tray)   | 240GB/480GB/960GB               |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
|                    | 2.5" HDD, 7.2K SATA6Gbs  | 1TB/2TB                         |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
|                    | 2.5" HDD, 10K SAS12Gbs   | 300GB/600GB/900GB/1.2TB/2.4TB   |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
|                    | 2.5" HDD, 15K SAS12Gbs   | 900GB                           |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
|                    | 2.5" SSD, SATA6Gbs   | 120GB/240GB/480GB/960GB         |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |
|                    | M.2 SATA SSD   | 32GB/128GB                      |                             |                   |                             |                  |                             |                 |                             |                 |                             |                             |                             |                  |                             |                                 |                             |               |                             |              |                             |               |                             |               |                             |               |                             |                |                             |               |                             |                |                             |                |                             |               |                             |                |

| Components                  | Specification   |                                      |
|-----------------------------|---|--------------------------------------|
| Optical drive               | Optional one 9.5mm optical. DVD-ROM or DVD±RW   |                                      |
| Network interfaces          | One dedicated management port, two Gigabit Ethernet ports. Supports optional discrete network adapters via riser card   |                                      |
| Security features           | Power-on and administrator password. Optional TPM, TCG 1.2 or 2.0 compliant.  |                                      |
| Systems management          | UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, disk drives, network, system. Supports the following management software: EasyStartup, Power Planner. On November 2016, EasyUpdate, Lenovo ThinkServer Diagnostics Standalone, ToolsCenter Suite CLI inventory module on ThinkServer, and Lenovo xClarity Administrator will be available |                                      |
| Operating systems           | Microsoft Windows Server 2016 (Standard and Essentials)/2012 R2/2012. Windows 10 Pro. Red Hat Enterprise Linux 6.7/6.8/7.2. SUSE Linux Enterprise Server 11/12. VMware vSphere (ESXi) 6.0U0/U2  |                                      |
| Base warranty               | 1 or 3-year limited onsite service with 9x5/NBD   |                                      |
| Power supply                | One fixed 300 watts power supply, Non-hot swap. 80 PLUS Gold qualified  |                                      |
| Graphics                    | Onboard Aspeed AST2400  |                                      |
| Front ports                 | Two USB 2.0   |                                      |
| Rear ports                  | One VGA, four USB 3.0, one RJ-45 (dedicated mgmt), two ethernet, one serial (9-pin)   |                                      |
| Cooling                     | 3 fans for processor, PCIe slot, and disk drives  |                                      |
| Noise emissions             | Operating: < 5.9 Bels. Idle: < 5.2 Bels (Maximum configuration)   |                                      |
| Environmental specification | Temperature - operating   | 50 °F to 95 °F (10 °C to 35 °C)      |
|                             | Temperature - non operating (with package)  | -40 °C to 60 °C                      |
|                             | Altitude - operating  | (Unpressurized): 0-10000ft (0-3048m) |
|                             | Humidity - operating  | 8%~80%, non-condensing               |
|                             | Humidity - storage (with package)   | 10%~90%, non-condensing              |

## Expansion slots and disk bays

Supports one PCIe slot via optional riser card, PCIe 3.0 x16, half length, half height

## Core options for ThinkServer RS160 (partial)

|  |            |
|--|------------|
| ThinkServer 8GB 2RX8 PC4-2133-E CL15 DDR4-2133 ECC-UDIMM                       | 4X70G88316 |
| ThinkServer 16GB 2RX8 PC4-2133-E CL15 DDR4-2133 ECC-UDIMM                      | 4X70G88317 |
| ThinkServer 3.5" 8TB 7.2K Enterprise SATA 6Gbps 512e Hard Drive for RS-Series  | 4XB0K12297 |
| ThinkServer 2.5" 1.2TB 10K Enterprise SAS 12Gbps Hard Drive for RS-Series      | 4XB0K12306 |
| ThinkServer 2.5" 2TB 7.2K Enterprise SATA 6Gbps Hard Drive for RS-Series       | 4XB0K12302 |
| ThinkServer 2.5" 480GB S3510 Enterprise Entry SATA 6Gbps SSD for RS-Series     | 4XB0K12321 |
| ThinkServer M.2 32GB Value Read-Optimized SATA 6Gbps Solid State Drive         | 4XB0K12310 |
| ThinkServer RAID 520i RAID 5 Upgrade   | 4XC0G88841 |
| ThinkServer RS160 Slim SATA DVD-RW Optical Disk Drive                          | 4XA0G88613 |
| Lenovo ThinkServer Gen 5 Trusted Platform Module v1.2 (Worldwide except China) | 4XF0G45868 |

| Model      | Region | Processor                                   | Memory                    | Storage Controller | Disk Bays  | Disks | Optical | Add-on NIC | Slots  | TPM    | OS   | Warranty | Power Supply   | Ann Date (m/y) |
|------------|--------|---|---------------------------|--------------------|------------|-------|---------|------------|--------|--------|------|----------|----------------|----------------|
| 70TE000DUX | US     | Xeon E3-1220 v5 4C/3.0GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 4x2.5" NHS | Open  | None    | None       | None   | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |
| 70TE000EUX | US     | Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 4x2.5" NHS | Open  | None    | None       | None   | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |
| 70TE000FUX | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 4x2.5" NHS | Open  | None    | None       | None   | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |
| 70TE000GUX | US     | Xeon E3-1270 v5 4C/3.6GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 4x2.5" NHS | Open  | None    | None       | None   | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |
| 70TE000HUX | US     | Xeon E3-1280 v5 4C/3.7GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 4x2.5" NHS | Open  | None    | None       | None   | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |
| 70TE000YUX | US     | Xeon E3-1220 v6 4C/3.0GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 4x2.5" NHS | Open  | None    | None       | None   | TPM2.0 | None | 1-year   | 300W 85% Fixed | 06/17          |
| 70TE0010UX | US     | Xeon E3-1230 v6 4C/3.5GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 4x2.5" NHS | Open  | None    | None       | None   | TPM2.0 | None | 1-year   | 300W 85% Fixed | 06/17          |
| 70TE0011UX | US     | Xeon E3-1240 v6 4C/3.7GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 4x2.5" NHS | Open  | None    | None       | None   | TPM2.0 | None | 1-year   | 300W 85% Fixed | 06/17          |
| 70TE0012UX | US     | Xeon E3-1270 v6 4C/3.8GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 4x2.5" NHS | Open  | None    | None       | None   | TPM2.0 | None | 1-year   | 300W 85% Fixed | 06/17          |
| 70TE0013UX | US     | Xeon E3-1280 v6 4C/3.9GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 4x2.5" NHS | Open  | None    | None       | None   | TPM2.0 | None | 1-year   | 300W 85% Fixed | 06/17          |
| 70TER001UX | US     | Xeon E3-1220 v5 4C/3.0GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 4x2.5" NHS | Open  | None    | None       | 1xHHHL | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |
| 70TER002UX | US     | Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 4x2.5" NHS | Open  | None    | None       | 1xHHHL | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |
| 70TER003UX | US     | Xeon E3-1270 v5 4C/3.6GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 4x2.5" NHS | Open  | None    | None       | 1xHHHL | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |

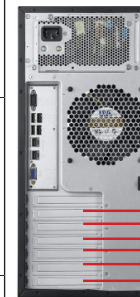
| Model      | Region | Processor                                   | Memory                    | Storage Controller | Disk Bays  | Disks | Optical | Add-on NIC | Slots  | TPM    | OS   | Warranty | Power Supply   | Ann Date (m/y) |
|------------|--------|---|---------------------------|--------------------|------------|-------|---------|------------|--------|--------|------|----------|----------------|----------------|
| 70TG000JUX | US     | Pentium G4400 2C/3.3GHz/3MB/54W/DDR4-2133   | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 2x3.5" NHS | Open  | None    | None       | None   | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |
| 70TG000KUX | US     | Xeon E3-1220 v5 4C/3.0GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 2x3.5" NHS | Open  | None    | None       | None   | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |
| 70TG000LUX | US     | Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 2x3.5" NHS | Open  | None    | None       | None   | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |
| 70TG000MUX | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 2x3.5" NHS | Open  | None    | None       | None   | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |
| 70TG000NUX | US     | Xeon E3-1270 v5 4C/3.6GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 2x3.5" NHS | Open  | None    | None       | None   | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |
| 70TG000PUX | US     | Xeon E3-1280 v5 4C/3.7GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 2x3.5" NHS | Open  | None    | None       | None   | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |
| 70TG001RUX | US     | Xeon E3-1220 v6 4C/3.0GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 2x3.5" NHS | Open  | None    | None       | None   | TPM2.0 | None | 1-year   | 300W 85% Fixed | 06/17          |
| 70TG001SUX | US     | Xeon E3-1230 v6 4C/3.5GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 2x3.5" NHS | Open  | None    | None       | None   | TPM2.0 | None | 1-year   | 300W 85% Fixed | 06/17          |
| 70TG001TUX | US     | Xeon E3-1240 v6 4C/3.7GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 2x3.5" NHS | Open  | None    | None       | None   | TPM2.0 | None | 1-year   | 300W 85% Fixed | 06/17          |
| 70TG001UUX | US     | Xeon E3-1270 v6 4C/3.8GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 2x3.5" NHS | Open  | None    | None       | None   | TPM2.0 | None | 1-year   | 300W 85% Fixed | 06/17          |
| 70TG001VUX | US     | Xeon E3-1280 v6 4C/3.9GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 2x3.5" NHS | Open  | None    | None       | None   | TPM2.0 | None | 1-year   | 300W 85% Fixed | 06/17          |
| 70TGR001UX | US     | Pentium G4400 2C/3.3GHz/3MB/54W/DDR4-2133   | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 2x3.5" NHS | Open  | None    | None       | 1xHHHL | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |
| 70TGR002UX | US     | Xeon E3-1220 v5 4C/3.0GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 2x3.5" NHS | Open  | None    | None       | 1xHHHL | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |
| 70TGR003UX | US     | Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | 2x3.5" NHS | Open  | None    | None       | 1xHHHL | TPM    | None | 1-year   | 300W 85% Fixed | 09/16          |



# ThinkServer TD340 Platform Specifications

| Components                                    | Specification   |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
|---|---|---------------------------------|---|-------------------|---|--------------------|---|-------------------|-----------------------------|---|-------------------------------------|--|--------------------------|----------|--------------------------------|--|--|--|-----------|---|---|---|---|---|-----------|--|---|---|---|---|-----------|--|---|---|---|---|------------|--|--|---|---|---|
| Dimensions                                    | Tower or 5U rack.<br>Height: 430 mm (16.9 in), width: 195 mm (7.68 in), depth: 595 mm (23.4 in)   |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| Weight  | Maximum: 26 kg (57.3 lb)  |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| Processor                                     | Up to two <b>95W Intel Xeon E5-2400 v2</b> family (code name: Ivy Bridge EN) processors with 10 cores up to 2.4GHz, 8 cores up to 2.5GHz, 6 cores up to 2.5GHz, 4 cores up to 2.4GHz. One QPI link up to 8.0 GT/s. Up to 1600MHz memory speed. Up to 25MB cache. Or up to two <b>Intel Xeon E5-2420</b> (code name: Sandy Bridge EN) processors with 6 cores, 1.9GHz, 15MB cache, 95W, up to 1333MHz memory speed, one 7.2GT/s QPI link   |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| Chipset                                       | Intel C606 Platform Controller Hub (PCH)  |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| Memory DIMMs                                  | 12 DIMM sockets (6 DIMMs per processor). 6-channel capable (3-channel per processor). RDIMM, LV RDIMM and LV UDIMM (cannot be intermixed). DDR3. Up to 1866MHz (RDIMM), 1600MHz (LV RDIMM) or 1600MHz (LV UDIMM)  |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| Memory capacity                               | 192GB (RDIMM and LV RDIMM), 16GB x 12/48GB (LV UDIMM, 4GB x 12)   |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| Memory protection                             | ECC, memory mirroring, memory sparing   |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| AnyRAID support                               | Supports one of the following:<br>RAID 0, 1, 10 with onboard RAID 100, 6Gb/s SATA, optional key for RAID 5.<br>RAID 0, 1, 10 with onboard RAID 300, 6Gb/s SAS/SATA, optional key for RAID 5.<br>RAID 0, 1, 10 with RAID 500, PCIe adapter, 6Gb/s SAS/SATA, optional key for RAID 5, 50.<br>RAID 0, 1, 10, 5, 50, 6, 60 with RAID 700, PCIe adapter, 512MB cache, optional intelligent Battery Backup Unit (iBBU08).<br>RAID 0, 1, 10, 5, 50, 6, 60 with RAID 710, PCIe adapter, 1GB cache, optional CacheVault flash cache with super capacitor/CacheCade Pro 2.0/FastPath key<br><i>Note: At least 6 disk drives is required for RAID 50 and 60.</i>   |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| Disk drive bays                               | Up to 8 3.5" hot-swap bays, or up to 16 2.5" hot-swap bays, or up to 4 3.5" non-hot swap bays. On front. Supports internal RDX tape drive, consumes 5.25" bay, also supports optional external SAS tape drive, additional SAS HBA card is needed.<br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Disk bay configuration</th> <th colspan="5">RAID controller requirements</th> </tr> <tr> <th>RAID100</th> <th>RAID300</th> <th>RAID500</th> <th>RAID700</th> <th>RAID710</th> </tr> </thead> <tbody> <tr> <td>4x3.5" non-hot swap</td> <td>•</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4x3.5" HS</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>8x3.5" HS</td> <td></td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>8x2.5" HS</td> <td></td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>16x2.5" HS</td> <td></td> <td></td> <td>•</td> <td>•</td> <td>•</td> </tr> </tbody> </table> | Disk bay configuration          | RAID controller requirements                |                   |   |                    |   | RAID100           | RAID300                     | RAID500                                       | RAID700                             | RAID710                                      | 4x3.5" non-hot swap      | •        |                                |  |  |  | 4x3.5" HS | • | • | • | • | • | 8x3.5" HS |  | • | • | • | • | 8x2.5" HS |  | • | • | • | • | 16x2.5" HS |  |  | • | • | • |
| Disk bay configuration                        | RAID controller requirements  |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
|   | RAID100   | RAID300                         | RAID500                                     | RAID700           | RAID710   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| 4x3.5" non-hot swap                           | •   |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| 4x3.5" HS                                     | •   | •                               | •   | •                 | •   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| 8x3.5" HS                                     |   | •                               | •   | •                 | •   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| 8x2.5" HS                                     |   | •                               | •   | •                 | •   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| 16x2.5" HS                                    |   |                                 | •   | •                 | •   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| Supporting disk drives                        | <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>3.5" SATA HDD (both HS and NHS)</td> <td>7.2K 6Gbs: 7.2K 6Gbs: 500GB/1TB/2TB/3TB/4TB</td> </tr> <tr> <td>3.5" SAS HDD (HS)</td> <td>7.2K 6Gbs: 1TB/2TB/3TB/4TB. 15K 6Gbs: 300GB/600GB</td> </tr> <tr> <td>2.5" SATA HDD (HS)</td> <td>7.2K 6Gbs: 500GB/1TB. 10K 6Gbs: 300GB/600GB/900GB</td> </tr> <tr> <td>2.5" SAS HDD (HS)</td> <td>15K 6Gbs: 146GB/300GB/600GB</td> </tr> <tr> <td>2.5" SATA SSD (HS, also supports 3.5" HS bay)</td> <td>6Gbs: 120GB/240GB/300GB/480GB/600GB</td> </tr> <tr> <td>2.5" SAS SSD (HS, also supports 3.5" HS bay)</td> <td>12Gbs: 200GB/400GB/800GB</td> </tr> <tr> <td>PCIe SSD</td> <td>1.4TB, via PCIe 2.0 x8 adapter</td> </tr> </tbody> </table> <p><i>Note: Supports up to 2 SSD drives on 8 x 3.5" HS model, up to 4 SSD drives on 16 x 2.5" HS model.</i></p>  | 3.5" SATA HDD (both HS and NHS) | 7.2K 6Gbs: 7.2K 6Gbs: 500GB/1TB/2TB/3TB/4TB | 3.5" SAS HDD (HS) | 7.2K 6Gbs: 1TB/2TB/3TB/4TB. 15K 6Gbs: 300GB/600GB | 2.5" SATA HDD (HS) | 7.2K 6Gbs: 500GB/1TB. 10K 6Gbs: 300GB/600GB/900GB | 2.5" SAS HDD (HS) | 15K 6Gbs: 146GB/300GB/600GB | 2.5" SATA SSD (HS, also supports 3.5" HS bay) | 6Gbs: 120GB/240GB/300GB/480GB/600GB | 2.5" SAS SSD (HS, also supports 3.5" HS bay) | 12Gbs: 200GB/400GB/800GB | PCIe SSD | 1.4TB, via PCIe 2.0 x8 adapter |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| 3.5" SATA HDD (both HS and NHS)               | 7.2K 6Gbs: 7.2K 6Gbs: 500GB/1TB/2TB/3TB/4TB   |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| 3.5" SAS HDD (HS)                             | 7.2K 6Gbs: 1TB/2TB/3TB/4TB. 15K 6Gbs: 300GB/600GB   |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| 2.5" SATA HDD (HS)                            | 7.2K 6Gbs: 500GB/1TB. 10K 6Gbs: 300GB/600GB/900GB   |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| 2.5" SAS HDD (HS)                             | 15K 6Gbs: 146GB/300GB/600GB   |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| 2.5" SATA SSD (HS, also supports 3.5" HS bay) | 6Gbs: 120GB/240GB/300GB/480GB/600GB   |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| 2.5" SAS SSD (HS, also supports 3.5" HS bay)  | 12Gbs: 200GB/400GB/800GB  |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| PCIe SSD                                      | 1.4TB, via PCIe 2.0 x8 adapter  |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| Optical drive                                 | Two 5.25" bays for optical drive. DVD-ROM or DVD±RW. Half-height  |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |
| Network interfaces                            | Two Gigabit Ethernet port via two Intel 82574L. One port is shared with ThinkServer Management Module. Supports optional discrete network adapters via PCIe slots   |                                 |   |                   |   |                    |   |                   |                             |   |                                     |  |                          |          |                                |  |  |  |           |   |   |   |   |   |           |  |   |   |   |   |           |  |   |   |   |   |            |  |  |   |   |   |

| Components                           | Specification   |   |
|--------------------------------------|---|---|
| Security features                    | Power-on and administrator password. Optional TPM (TCG 1.2-compliant)   |   |
| Intelligent Diagnostics Module (IDM) | Supports IDM or IDM Premium on selected models, IDM LED lights indicate failing component category, IDM Premium LED lights indicate individual failing part   |   |
| Systems management                   | Supports ThinkServer Management Module (TMM), optional TMM Premium for remote presence. Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Front control panel LEDs shows the status of power, hard drive activity, network, system. Supports EasyStartup, EasyManage, EasyUpdate. |   |
| Operating systems supported          | Microsoft Windows Server 2012 R2/2012/2008 R2/2008. Windows Small Business Server 2011. Red Hat Enterprise Linux 7.1/7/6.7/6.5/6.4/5.10/5.9. SUSE Linux Enterprise Server 11/10. VMware vSphere (ESXi) 5.5/5.1  |   |
| Base warranty                        | 1 or 3-year limited onsite service with 9x5/NBD.  |   |
| Power supply                         | One fixed 625 watts, universal, 80 PLUS Bronze qualified. Or up to two redundant 800 watts, two maximum, rear access, hot-swap, 80 PLUS Gold qualified, redundant with two power supplies   |   |
| Graphics                             | Onboard Aspeed AST2300 graphics/management processor  |   |
| Front ports                          | Two USB 2.0   |   |
| Rear ports                           | Four USB 2.0, one serial (9-pin), two ethernet (RJ-45, one for dedicate/share mgmt), one analog VGA DB-15 connector   |   |
| Noise emissions                      | Operating: < 42 dB(A). Idle: < 38 dB(A) (Maximum configuration)   |   |
| Environmental specification          | Energy Star Server 1.1 qualified for 625W models, Energy Star Server 2.0 qualified for 800W models. RoHS-compliant.   |   |
|                                      | Temperature - operating   | 50 °F to 95 °F (10 °C to 35 °C)                         |
|                                      | Temperature - storage (with package)  | -40 °C to 60 °C   |
|                                      | Altitude - operating  | Supported Altitude (unpressurized): 0-10000ft (0-3048m) |
|                                      | Humidity - operating  | 10%~80%, non-condensing                                 |
|                                      | Humidity - storage (with package)   | 8%~90%, non-condensing                                  |



### Expansion slots

|               |   |
|---------------|---|
| Slot 1 (PCH)  | 32-bit PCI 2.3, half-length, full-height        |
| Slot 2 (CPU1) | PCIe 3.0 x8 (x4 elec), half-length, full-height |
| Slot 3 (CPU2) | PCIe 3.0 x8, half-length, full-height           |
| Slot 4 (CPU2) | PCIe 3.0 x8, half-length, full-height           |
| Slot 5 (CPU1) | PCIe 3.0 x16, half-length, full-height          |
| Slot 6 (CPU2) | PCIe 3.0 x8, half-length, full-height           |

# ThinkServer TD340 - TopSeller - 70B5

Product Specifications Reference (PSREF)

| Model      | Region | Processor                                 | Memory                       | Storage Controller | Disk Bays    | Disks | Optical   | Add-on NIC | TPM | Diagnostics | System Mgmt | OS   | Warranty | Power Supply            | Ann Date (m/y) |
|------------|--------|---|------------------------------|--------------------|--------------|-------|-----------|------------|-----|-------------|-------------|------|----------|-------------------------|----------------|
| 70B5001TUX | US     | 1xE5-2403 v2 4C/1.8GHz/10MB/80W/DDR3-1333 | 1x8GB RDIMM<br>DDR3-1600 ECC | RAID 300           | 4x3.5"<br>HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 1-year   | 625W<br>Bronze<br>Fixed | 05/14          |

| Model      | Region | Processor                                  | Memory                    | Storage Controller | Disk Bays | Disks | Optical   | Add-on NIC | TPM | Diagnostics | System Mgmt | OS   | Warranty | Power Supply | Ann Date (m/y) |
|------------|--------|--|---------------------------|--------------------|-----------|-------|-----------|------------|-----|-------------|-------------|------|----------|--------------|----------------|
| 70B7002GUX | US     | 1xE5-2403 v2 4C/1.8GHz/10MB/80W/DDR3-1333  | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 4x3.5" HS | Open  | HH DVD±RW | None       | TPM | IDM         | TMM         | None | 1-year   | 800Wx1 Gold  | 01/14          |
| 70B7002HUX | US     | 1xE5-2407 v2 4C/2.4GHz/10MB/80W/DDR3-1333  | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 4x3.5" HS | Open  | HH DVD±RW | None       | TPM | IDM         | TMM         | None | 1-year   | 800Wx1 Gold  | 01/14          |
| 70B7002JUX | US     | 1xE5-2403 v2 4C/1.8GHz/10MB/80W/DDR3-1333  | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 4x3.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B7002KUX | US     | 1xE5-2407 v2 4C/2.4GHz/10MB/80W/DDR3-1333  | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 4x3.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B7002LUX | US     | 1xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 4x3.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B7002MUX | US     | 1xE5-2430 v2 6C/2.5GHz/15MB/80W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 4x3.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B7002NUX | US     | 1xE5-2440 v2 8C/1.9GHz/20MB/95W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 4x3.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B7002PUX | US     | 1xE5-2450 v2 8C/2.5GHz/20MB/95W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 4x3.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B7002QUX | US     | 1xE5-2470 v2 10C/2.4GHz/25MB/95W/DDR3-1600 | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 4x3.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B7002RUX | US     | 1xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 8x3.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B7002SUX | US     | 1xE5-2430 v2 6C/2.5GHz/15MB/80W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 8x3.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B7002TUX | US     | 1xE5-2440 v2 8C/1.9GHz/20MB/95W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 8x3.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B7002UUX | US     | 1xE5-2450 v2 8C/2.5GHz/20MB/95W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 8x3.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B7002VUX | US     | 1xE5-2470 v2 10C/2.4GHz/25MB/95W/DDR3-1600 | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 8x3.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B7002WUX | US     | 1xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 8x2.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B7002XUX | US     | 1xE5-2430 v2 6C/2.5GHz/15MB/80W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 8x2.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B7002YUX | US     | 1xE5-2440 v2 8C/1.9GHz/20MB/95W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC | RAID 300           | 8x2.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |

| Model      | Region | Processor                                  | Memory                     | Storage Controller | Disk Bays  | Disks | Optical   | Add-on NIC | TPM | Diagnostics | System Mgmt | OS   | Warranty | Power Supply | Ann Date (m/y) |
|------------|--------|--|----------------------------|--------------------|------------|-------|-----------|------------|-----|-------------|-------------|------|----------|--------------|----------------|
| 70B70030UX | US     | 1xE5-2450 v2 8C/2.5GHz/20MB/95W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC  | RAID 300           | 8x2.5" HS  | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B70031UX | US     | 1xE5-2470 v2 10C/2.4GHz/25MB/95W/DDR3-1600 | 1x8GB RDIMM DDR3-1600 ECC  | RAID 300           | 8x2.5" HS  | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B70032UX | US     | 1xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC  | RAID 700           | 16x2.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B70033UX | US     | 1xE5-2430 v2 6C/2.5GHz/15MB/80W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC  | RAID 700           | 16x2.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B70034UX | US     | 1xE5-2440 v2 8C/1.9GHz/20MB/95W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC  | RAID 700           | 16x2.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B70035UX | US     | 1xE5-2450 v2 8C/2.5GHz/20MB/95W/DDR3-1600  | 1x8GB RDIMM DDR3-1600 ECC  | RAID 710           | 16x2.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B70036UX | US     | 1xE5-2470 v2 10C/2.4GHz/25MB/95W/DDR3-1600 | 1x8GB RDIMM DDR3-1600 ECC  | RAID 710           | 16x2.5" HS | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 01/14          |
| 70B7004DUX | US     | 2xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600  | 2x16GB RDIMM DDR3-1866 ECC | RAID 300           | 8x3.5" HS  | Open  | HH DVD±RW | None       | TPM | IDM Premium | TMM Premium | None | 3-year   | 800Wx2 Gold  | 09/15          |



| Model      | Region | Processor                                 | Memory                     | Storage Controller  | Disk Bays  | Disks                         | Optical   | Add-on NIC | TPM | Diagnostics | System Mgmt | OS   | Warranty | Power Supply | Ann Date (m/y) |
|------------|--------|---|----------------------------|---------------------|------------|-------------------------------|-----------|------------|-----|-------------|-------------|------|----------|--------------|----------------|
| 70B60002UX | US     | 1xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600 | 4x8GB RDIMM DDR3-1600 ECC  | RAID 500+Key        | 4x3.5" HS  | 4x2TB HDD 7.2K 3.5" SATA6Gbps | HH DVD±RW | 2xGbE      | TPM | IDM Premium | TMM Premium | None | 3-year   | 800Wx2 Gold  | 01/14          |
| 70B60003UX | US     | 2xE5-2440 v2 8C/1.9GHz/20MB/95W/DDR3-1600 | 8x8GB RDIMM DDR3-1600 ECC  | RAID 700            | 8x3.5" HS  | 8x2TB HDD 7.2K 3.5" SAS6Gbps  | HH DVD±RW | 2xGbE      | TPM | IDM Premium | TMM Premium | None | 3-year   | 800Wx2 Gold  | 01/14          |
| 70B60004UX | US     | 2xE5-2450 v2 8C/2.5GHz/20MB/95W/DDR3-1600 | 12x8GB RDIMM DDR3-1600 ECC | RAID 710+CacheVault | 16x2.5" HS | 8x300GB HDD 15K 2.5" SAS6Gbps | HH DVD±RW | 4xGbE      | TPM | IDM Premium | TMM Premium | None | 3-year   | 800Wx2 Gold  | 01/14          |
| 70B60005UX | US     | 1xE5-2407 v2 4C/2.4GHz/10MB/80W/DDR3-1333 | 1x8GB RDIMM DDR3-1600 ECC  | RAID 300+Key        | 4x3.5" HS  | Open                          | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 04/14          |
| 70B60006UX | US     | 1xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600 | 1x8GB RDIMM DDR3-1600 ECC  | RAID 500            | 8x3.5" HS  | Open                          | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 04/14          |
| 70B60007UX | US     | 1xE5-2420 v2 6C/2.2GHz/15MB/80W/DDR3-1600 | 1x8GB RDIMM DDR3-1600 ECC  | RAID 700            | 8x3.5" HS  | Open                          | HH DVD±RW | None       | TPM | IDM Premium | TMM Premium | None | 3-year   | 800Wx2 Gold  | 04/14          |
| 70B60008UX | US     | 1xE5-2440 v2 8C/1.9GHz/20MB/95W/DDR3-1600 | 1x8GB RDIMM DDR3-1600 ECC  | RAID 700            | 8x2.5" HS  | Open                          | HH DVD±RW | None       | TPM | IDM Premium | TMM         | None | 3-year   | 800Wx1 Gold  | 04/14          |
| 70B60009UX | US     | 1xE5-2450 v2 8C/2.5GHz/20MB/95W/DDR3-1600 | 1x16GB RDIMM DDR3-1600 ECC | RAID 710            | 16x2.5" HS | Open                          | HH DVD±RW | None       | TPM | IDM Premium | TMM Premium | None | 3-year   | 800Wx2 Gold  | 04/14          |

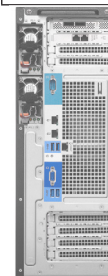


# ThinkServer TD350 Platform Specifications

Product Specifications Reference (PSREF)

| Components                               | Specification   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|--|---|--------------------------------------|--------------------------------------|-------------------------|-------------------|------------------|-----------|----------------------------|-------------------------|---------------|----------------|-------------------------------|----------------------|---------------|----------------|--------------------------------------|----------------------|--------------|---------------|-------------------------------|----------------------|--------------|----------------|--------------------------------------|----------------------|---------------|----------------|------------------|---------------------------|
| Dimensions                               | Tower or 4U rack.<br>Tower: Height: 459 mm (18.1 in), width: 251 mm (9.9 in), depth: 686 mm (27 in)<br>Rack: height: 173 mm (6.8 in), width: 482 mm (19 in), depth: 686 mm (27 in)  |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| Weight                                   | Minimum configuration: 22 kg (48.5 lb), maximum: 41.4 kg (91.27 lb)   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| Processor                                | Up to two <b>135W Intel Xeon E5-2600 v4 or E5-2600 v3</b> family processors.  |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2698 v4 20C/2.2GHz/50MB/135W/DDR4-2400   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2695 v4 18C/2.1GHz/45MB/120W/DDR4-2400   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2690 v4 14C/2.6GHz/35MB/135W/DDR4-2400   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2683 v4 16C/2.1GHz/40MB/120W/DDR4-2400   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2680 v4 14C/2.4GHz/35MB/120W/DDR4-2400   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2667 v4 8C/3.2GHz/25MB/135W/DDR4-2400  |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2660 v4 14C/2GHz/35MB/105W/DDR4-2400   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2650L v4 14C/1.7GHz/35MB/65W/DDR4-2400   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2643 v4 6C/3.4GHz/20MB/135W/DDR4-2400  |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133  |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2637 v4 4C/3.5GHz/15MB/135W/DDR4-2400  |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2630L v4 10C/1.8GHz/25MB/55W/DDR4-2133   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133  |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2623 v4 4C/2.6GHz/10MB/85W/DDR4-2133   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2698 v3 16C/2.3GHz/40MB/135W/DDR4-2133   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2695 v3 14C/2.3GHz/35MB/120W/DDR4-2133   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2690 v3 12C/2.6GHz/30MB/135W/DDR4-2133   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2685 v3 12C/2.6GHz/30MB/120W/DDR4-2133   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2683 v3 14C/2GHz/35MB/120W/DDR4-2133   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2680 v3 12C/2.5GHz/30MB/120W/DDR4-2133   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2670 v3 12C/2.3GHz/30MB/120W/DDR4-2133   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2667 v3 8C/3.2GHz/20MB/135W/DDR4-2133  |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2660 v3 10C/2.6GHz/25MB/105W/DDR4-2133   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2650L v3 12C/1.8GHz/30MB/65W/DDR4-2133   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2643 v3 6C/3.4GHz/20MB/135W/DDR4-2133  |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | E5-2637 v3 4C/3.5GHz/15MB/135W/DDR4-2133  |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| E5-2630L v3 8C/1.8GHz/20MB/55W/DDR4-1866 |   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| E5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866  |   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| E5-2623 v3 4C/3GHz/10MB/105W/DDR4-1866   |   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866  |   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| E5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600  |   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| E5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600  |   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| Chipset                                  | Intel C610 Series Chipset   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| Memory DIMMs                             | 16 DIMM sockets (8 DIMMs per processor), 8-channel capable (4-channel per processor). RDIMM and LRDIMM (cannot be intermixed), DDR4, up to 2400MHz  |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| Memory capacity                          | 512GB (RDIMM, 32GB x 16)/1024GB (LRDIMM, 64GB x 16), 2nd CPU is needed  |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| Memory protection                        | ECC, memory mirroring, lockstep, and memory sparing   |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| RAID controller                          | <table border="1"> <thead> <tr> <th>RAID controller</th> <th>Drive type</th> <th>RAID support</th> <th>Compatible models</th> </tr> </thead> <tbody> <tr> <td>Onboard RAID110i</td> <td>6Gbs SATA</td> <td>0/1/10,5 with optional key</td> <td>5x3.5" HS/ES, 8x2.5" HS</td> </tr> <tr> <td>RAID520i PCIe</td> <td>12Gbs SAS/SATA</td> <td>0/1/10,5/50 with optional key</td> <td>5x3.5" HS, 8x2.5" HS</td> </tr> <tr> <td>RAID720i PCIe</td> <td>12Gbs SAS/SATA</td> <td>0/1/10/5/50,6/60 with optional cache</td> <td>5x3.5" HS, 8x2.5" HS</td> </tr> <tr> <td>AnyRAID 510i</td> <td>6Gbs SAS/SATA</td> <td>0/1/10,5/50 with optional key</td> <td>5x3.5" HS, 8x2.5" HS</td> </tr> <tr> <td>AnyRAID 720i</td> <td>12Gbs SAS/SATA</td> <td>0/1/10/5/50,6/60 with optional cache</td> <td>5x3.5" HS, 8x2.5" HS</td> </tr> <tr> <td>AnyRAID 720ix</td> <td>12Gbs SAS/SATA</td> <td>0/1/10/5/50/6/60</td> <td>15x3.5" HS, 16/32x2.5" HS</td> </tr> </tbody> </table> | RAID controller                      | Drive type                           | RAID support            | Compatible models | Onboard RAID110i | 6Gbs SATA | 0/1/10,5 with optional key | 5x3.5" HS/ES, 8x2.5" HS | RAID520i PCIe | 12Gbs SAS/SATA | 0/1/10,5/50 with optional key | 5x3.5" HS, 8x2.5" HS | RAID720i PCIe | 12Gbs SAS/SATA | 0/1/10/5/50,6/60 with optional cache | 5x3.5" HS, 8x2.5" HS | AnyRAID 510i | 6Gbs SAS/SATA | 0/1/10,5/50 with optional key | 5x3.5" HS, 8x2.5" HS | AnyRAID 720i | 12Gbs SAS/SATA | 0/1/10/5/50,6/60 with optional cache | 5x3.5" HS, 8x2.5" HS | AnyRAID 720ix | 12Gbs SAS/SATA | 0/1/10/5/50/6/60 | 15x3.5" HS, 16/32x2.5" HS |
|  | RAID controller   | Drive type                           | RAID support                         | Compatible models       |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | Onboard RAID110i  | 6Gbs SATA                            | 0/1/10,5 with optional key           | 5x3.5" HS/ES, 8x2.5" HS |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | RAID520i PCIe   | 12Gbs SAS/SATA                       | 0/1/10,5/50 with optional key        | 5x3.5" HS, 8x2.5" HS    |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | RAID720i PCIe   | 12Gbs SAS/SATA                       | 0/1/10/5/50,6/60 with optional cache | 5x3.5" HS, 8x2.5" HS    |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | AnyRAID 510i  | 6Gbs SAS/SATA                        | 0/1/10,5/50 with optional key        | 5x3.5" HS, 8x2.5" HS    |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| AnyRAID 720i                             | 12Gbs SAS/SATA  | 0/1/10/5/50,6/60 with optional cache | 5x3.5" HS, 8x2.5" HS                 |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| AnyRAID 720ix                            | 12Gbs SAS/SATA  | 0/1/10/5/50/6/60                     | 15x3.5" HS, 16/32x2.5" HS            |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
|  | Optional cache for RAID 720/AnyRAID 720i and 720ix: 1GB read-only memory or 1GB/2GB/4GB flash with super capacitor. Flash options include CacheVault, Cache-Cade Pro, and FastPath. 720ix must have cache.  |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |
| Disk drive bays                          | Up to 15 3.5" or 32 2.5" hot-swap bays, or up to 5 3.5" easy-swap bays, on front.<br>Up to 2 M.2 SSD drives via optional M.2 module. Up to one internal LTO-6 SAS tape drive on 720ix model, or external RDX tape drive via USB.  |                                      |                                      |                         |                   |                  |           |                            |                         |               |                |                               |                      |               |                |                                      |                      |              |               |                               |                      |              |                |                                      |                      |               |                |                  |                           |

| Components                            | Specification   |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
|---------------------------------------|---|--|---------------------------------|---------------------------------|-------|-------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------------|-----------------|-----------------|---|----------------------|--------------------------------------|-----------|-----------------|---------------------------------------|--------|--------|------------|-----------------------------------|------------------------|---|---|-----------|-----------------|---|---|---|------------|-----------------|---|---|---|------------|---|---|---|---|
| Maximum internal storage              | 3.5" model: up to 180TB (7.2K SATA)/120TB (SAS HDD,) up to 27TB with 10K SAS HDD, up to 9TB with 15K SAS HDD, or up to 24TB with SATA or SAS SSD.<br>2.5" model: up to 64TB with 7.2K SATA HDD, up to 57.6TB with 10K SAS HDD, up to 19.2TB with 15K SAS HDD, or up to 51.2TB with SATA or SAS SSD  |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| SD module                             | Up to 2 SDHC flash cards via optional SD module, 8GB or 32GB each   |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| Optical drive                         | Two 5.25" bays for optical drive. DVD-ROM or DVD±RW. Half-height or 9.5mm   |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| Network interfaces                    | One dedicate management port, two gigabit ethernet ports.<br>Supports optional discrete network adapters via PCIe slots   |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| Security features                     | Power-on and administrator password. Optional TPM (TCG 1.2 or 2.0-compliant)  |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| Systems management                    | Supports ThinkServer System Manager (TSM), optional TSM Premium for remote presence. UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, network, system. Supports ThinkServer Diagnostics, ThinkServer Deployment Manager, ThinkServer Energy Manager, ThinkServer System Manager CLI, Lenovo ThinkServer Partner Pack for VMware vCenter and Microsoft System Center Operations Manager, ThinkServer Power Planner.   |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
|                                       | Operating systems supported   | Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Red Hat Enterprise Linux 6.5/6.6/7. SUSE Linux Enterprise Server 11. VMware vSphere (ESXi) 5.1 P5/5.5 U2/6.0 |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| Base warranty                         | 1 or 3-year limited onsite service with 9x5/NBD.  |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| Power supply                          | Up to two redundant hot-swap 450W/550W/750W/1100W power supplies. 450 W is 80 PLUS Gold qualified. 550W and 1100W are 80 PLUS Platinum qualified. 750W is 80 PLUS Platinum or Titanium qualified. 750W Titanium is 200V - 240V, others are 110V - 240V.   |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
|                                       | <table border="1"> <thead> <tr> <th rowspan="2">Disk bay configuration</th> <th colspan="4">PSU requirements</th> </tr> <tr> <th>450W</th> <th>550W</th> <th>750W</th> <th>1100W</th> </tr> </thead> <tbody> <tr> <td>5x3.5" ES</td> <td>• (up to 1 CPU)</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>5x3.5" HS</td> <td>• (up to 1 CPU)</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>15x3.5" HS</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>8x2.5" HS</td> <td>• (up to 1 CPU)</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>16x2.5" HS</td> <td>• (up to 1 CPU)</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>32x2.5" HS</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> </tbody> </table> | Disk bay configuration   | PSU requirements                |                                 |       |                         | 450W                            | 550W                            | 750W                            | 1100W                                | 5x3.5" ES       | • (up to 1 CPU) | • | •                    | •                                    | 5x3.5" HS | • (up to 1 CPU) | •                                     | •      | •      | 15x3.5" HS | •                                 | •                      | • | • | 8x2.5" HS | • (up to 1 CPU) | • | • | • | 16x2.5" HS | • (up to 1 CPU) | • | • | • | 32x2.5" HS | • | • | • | • |
|                                       | Disk bay configuration  |  | PSU requirements                |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
|                                       |   | 450W   | 550W                            | 750W                            | 1100W |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
|                                       | 5x3.5" ES   | • (up to 1 CPU)  | •                               | •                               | •     |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| 5x3.5" HS                             | • (up to 1 CPU)   | •  | •                               | •                               |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| 15x3.5" HS                            | •   | •  | •                               | •                               |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| 8x2.5" HS                             | • (up to 1 CPU)   | •  | •                               | •                               |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| 16x2.5" HS                            | • (up to 1 CPU)   | •  | •                               | •                               |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| 32x2.5" HS                            | •   | •  | •                               | •                               |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| Graphics                              | Onboard Aspeed AST2400 with 16MB memory, one VGA on rear  |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| Front ports                           | Two USB 2.0   |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| Rear ports                            | One VGA, four USB 3.0, one RJ-45 (dedicate/share mgmt), two ethernet (RJ-45), one serial (9-pin)  |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| Cooling                               | 4 (3+1), hot-swap   |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| Noise emissions                       | Operating: < 6.5 Bels. Idle: < 6 Bels (Maximum configuration)   |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| Environmental specification           | <table border="1"> <thead> <tr> <th>ASHRAE Class</th> <th>A4</th> <th>A3</th> <th>A2</th> </tr> </thead> <tbody> <tr> <td>Temperature - operating</td> <td>41 °F to 113 °F (5 °C to 45 °C)</td> <td>41 °F to 104 °F (5 °C to 40 °C)</td> <td>50 °F to 95 °F (10 °C to 35 °C)</td> </tr> <tr> <td>Temperature - storage (with package)</td> <td colspan="3">-40 °C to 60 °C</td> </tr> <tr> <td>Altitude - operating</td> <td colspan="3">(Unpressurized): 0-10000ft (0-3048m)</td> </tr> <tr> <td>Humidity - operating (non-condensing)</td> <td>8%~90%</td> <td>8%~85%</td> <td>20%~80%</td> </tr> <tr> <td>Humidity - storage (with package)</td> <td colspan="3">8%~90%, non-condensing</td> </tr> </tbody> </table>                               | ASHRAE Class   | A4                              | A3                              | A2    | Temperature - operating | 41 °F to 113 °F (5 °C to 45 °C) | 41 °F to 104 °F (5 °C to 40 °C) | 50 °F to 95 °F (10 °C to 35 °C) | Temperature - storage (with package) | -40 °C to 60 °C |                 |   | Altitude - operating | (Unpressurized): 0-10000ft (0-3048m) |           |                 | Humidity - operating (non-condensing) | 8%~90% | 8%~85% | 20%~80%    | Humidity - storage (with package) | 8%~90%, non-condensing |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
|                                       | ASHRAE Class  | A4   | A3                              | A2                              |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
|                                       | Temperature - operating   | 41 °F to 113 °F (5 °C to 45 °C)  | 41 °F to 104 °F (5 °C to 40 °C) | 50 °F to 95 °F (10 °C to 35 °C) |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
|                                       | Temperature - storage (with package)  | -40 °C to 60 °C  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
|                                       | Altitude - operating  | (Unpressurized): 0-10000ft (0-3048m)   |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| Humidity - operating (non-condensing) | 8%~90%  | 8%~85%   | 20%~80%                         |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
| Humidity - storage (with package)     | 8%~90%, non-condensing  |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |
|                                       | ASHRAE Class A4: ES or 8x2.5" HS bays/Lenovo-qualified CPU; maximum of 120W thermal design power; not low-power type (no L-suffix in the CPU name)/No internal tape/Two PSU installed for redundancy/Lenovo-qualified PCIe card; power consumption of each PCIe card does not exceed 15W. 32 x 2.5" models support ASHRAE Class A2, the other models support ASHRAE Class A3.   |  |                                 |                                 |       |                         |                                 |                                 |                                 |                                      |                 |                 |   |                      |                                      |           |                 |                                       |        |        |            |                                   |                        |   |   |           |                 |   |   |   |            |                 |   |   |   |            |   |   |   |   |



| Slot   | Expansion slots   |
|--------|---|
| Slot 7 | Slot 1 (CPU1) PCIe 3.0 x16, full height, full length, double-wide |
| Slot 6 | Slot 2 (CPU1) PCIe 3.0 x16 (x8 elec), full height, full length    |
| Slot 5 | Slot 3 (CPU1) PCIe 3.0 x16 (x8 elec), full height, full length    |
| Slot 4 | Slot 4 (CPU2) PCIe 3.0 x16 (x8 elec), full height, full length    |
|        | Slot 5 (CPU2) PCIe 3.0 x16, full height, full length              |
|        | Slot 6 (CPU2) PCIe 3.0 x16 (x8 elec), full height, full length    |
|        | Slot 7 (CPU2) PCIe 3.0 x16 (x8 elec), full height, full length    |

For a list of all supported options, please see [https://download.lenovo.com/pccbbs/options\\_iso/ocm\\_september\\_2016\\_thinkserver.xlsx](https://download.lenovo.com/pccbbs/options_iso/ocm_september_2016_thinkserver.xlsx) sheet

| Model      | Region | Processor                                   | 2nd CPU    | Memory                     | Storage Controller      | Disk Bays  | Disks | Optical   | Add-on NIC | Add-on Ports | TPM     | System Mgmt | OS   | Warranty | Power Supply    | Ann Date (m/y) |
|------------|--------|---|------------|----------------------------|-------------------------|------------|-------|-----------|------------|--------------|---------|-------------|------|----------|-----------------|----------------|
| 70DG0003UX | US     | 2xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | -          | 4x8GB RDIMM DDR4-2133 ECC  | AnyRAID 110i+Key        | 5x3.5" HS  | Open  | HH DVD±RW | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 750Wx1 Platinum | 09/14          |
| 70DG0007UX | US     | 1xE5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600   | 4XG0F28787 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 110i+Key        | 5x3.5" HS  | Open  | HH DVD±RW | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 550Wx1 Platinum | 09/14          |
| 70DG0008UX | US     | 1xE5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600   | 4XG0F28786 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 110i+Key        | 5x3.5" HS  | Open  | HH DVD±RW | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 550Wx1 Platinum | 09/14          |
| 70DG0009UX | US     | 1xE5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866   | 4XG0F28785 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 720ix+1GB RAM   | 15x3.5" HS | Open  | HH DVD±RW | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 750Wx1 Platinum | 09/14          |
| 70DG000AUX | US     | 1xE5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866   | 4XG0F28783 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 720ix+1GB RAM   | 15x3.5" HS | Open  | HH DVD±RW | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 750Wx1 Platinum | 09/14          |
| 70DG000BUX | US     | 1xE5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133 | 4XG0F28782 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 720ix+1GB RAM   | 15x3.5" HS | Open  | HH DVD±RW | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 750Wx1 Platinum | 09/14          |
| 70DG000CUX | US     | 1xE5-2670 v3 12C/2.3GHz/30MB/120W/DDR4-2133 | 4XG0F28780 | 1x8GB RDIMM DDR4-2133 ECC  | AnyRAID 720ix+1GB RAM   | 15x3.5" HS | Open  | HH DVD±RW | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 750Wx1 Platinum | 09/14          |
| 70DG006NUX | US     | 1xE5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866   | 4XG0G89088 | 1x16GB RDIMM DDR4-2400 ECC | Onboard 110i            | 5x3.5" HS  | Open  | None      | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 750Wx1 Platinum | 04/16          |
| 70DG006PUX | US     | 1xE5-2609 v4 8C/1.7GHz/20MB/85W/DDR4-1866   | 4XG0G89083 | 1x16GB RDIMM DDR4-2400 ECC | Onboard 110i            | 5x3.5" HS  | Open  | None      | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 750Wx1 Platinum | 04/16          |
| 70DG006QUX | US     | 1xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133   | 4XG0G89078 | 1x16GB RDIMM DDR4-2400 ECC | Onboard 110i            | 5x3.5" HS  | Open  | None      | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 750Wx1 Platinum | 04/16          |
| 70DG006RUX | US     | 1xE5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133  | 4XG0G89073 | 1x16GB RDIMM DDR4-2400 ECC | AnyRAID 720ix+1GB Flash | 15x3.5" HS | Open  | None      | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 750Wx1 Platinum | 04/16          |
| 70DG006SUX | US     | 1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133  | 4XG0G89068 | 1x16GB RDIMM DDR4-2400 ECC | AnyRAID 720ix+1GB Flash | 15x3.5" HS | Open  | None      | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 750Wx1 Platinum | 04/16          |
| 70DG006TUX | US     | 1xE5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400 | 4XG0G89063 | 1x16GB RDIMM DDR4-2400 ECC | AnyRAID 720ix+1GB Flash | 15x3.5" HS | Open  | None      | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 750Wx1 Platinum | 04/16          |
| 70DG006UUX | US     | 1xE5-2660 v4 14C/2.0GHz/35MB/105W/DDR4-2400 | 4XG0G89058 | 1x16GB RDIMM DDR4-2400 ECC | AnyRAID 720ix+1GB Flash | 15x3.5" HS | Open  | None      | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 750Wx1 Platinum | 04/16          |
| 70DG006VUX | US     | 1xE5-2680 v4 14C/2.4GHz/35MB/120W/DDR4-2400 | 4XG0G89055 | 1x16GB RDIMM DDR4-2400 ECC | AnyRAID 720ix+1GB Flash | 15x3.5" HS | Open  | None      | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 750Wx1 Platinum | 04/16          |
| 70DG006WUX | US     | 2xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133   | -          | 2x16GB RDIMM DDR4-2400 ECC | AnyRAID 110i            | 5x3.5" HS  | Open  | None      | None       | None         | TPM 1.2 | TSM Premium | None | 3-year   | 750Wx2 Platinum | 04/16          |
| 70DG007QUX | US     | 1xE5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133   | 4XG0G89078 | 1x16GB RDIMM DDR4-2400 ECC | AnyRAID 720ix+1GB RAM   | 15x3.5" HS | Open  | None      | None       | None         | TPM 1.2 | TSM         | None | 3-year   | 750Wx1 Platinum | 06/16          |

| Model      | Region | Processor                                  | 2nd CPU    | Memory                           | Storage Controller         | Disk Bays    | Disks | Optical | Add-on NIC | Add-on Ports | TPM        | System Mgmt | OS   | Warranty | Power Supply       | Ann Date (m/y) |
|------------|--------|--|------------|----------------------------------|----------------------------|--------------|-------|---------|------------|--------------|------------|-------------|------|----------|--------------------|----------------|
| 70DJ006NUX | US     | 1xE5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133 | 4XG0G89068 | 1x16GB RDIMM<br>DDR4-2400<br>ECC | AnyRAID<br>720i+1GB<br>RAM | 8x2.5"<br>HS | Open  | None    | None       | None         | TPM<br>2.0 | TSM         | None | 3-year   | 750Wx1<br>Platinum | 04/16          |

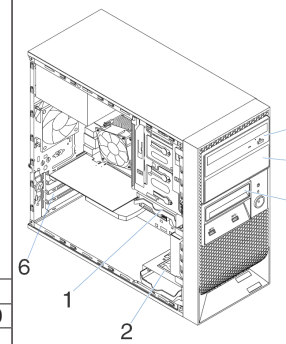


# ThinkServer TS150 Platform Specifications

Product Specifications Reference (PSREF)

| Components                                 | Specification   |
|--|---|
| Dimensions                                 | Tower or 4U rack.<br>Height: 375 mm (14.76 in), width: 175 mm (6.89 in), depth: 431 mm (16.97 in)   |
| Weight                                     | Maximum configuration: 27.6 lb (12.5kg)   |
| Processor                                  | One Intel "Kaby Lake" or "Skylake" processor as listed:<br>"Kaby Lake" processors:  |
|  | Xeon E3-1280 v6 4C/3.9GHz/8MB/72W/DDR4-2400   |
|  | Xeon E3-1275 v6 4C/3.8GHz/8MB/73W/DDR4-2400   |
|  | Xeon E3-1270 v6 4C/3.8GHz/8MB/72W/DDR4-2400   |
|  | Xeon E3-1245 v6 4C/3.7GHz/8MB/73W/DDR4-2400   |
|  | Xeon E3-1240 v6 4C/3.7GHz/8MB/72W/DDR4-2400   |
|  | Xeon E3-1230 v6 4C/3.5GHz/8MB/72W/DDR4-2400   |
|  | Xeon E3-1225 v6 4C/3.3GHz/8MB/73W/DDR4-2400   |
|  | Xeon E3-1220 v6 4C/3GHz/8MB/72W/DDR4-2400   |
|  | Core i3-7320 2C/4.1GHz/4MB/51W/DDR4-2400  |
|  | Core i3-7300T 2C/3.5GHz/4MB/35W/DDR4-2400   |
|  | Core i3-7300 2C/4GHz/4MB/51W/DDR4-2400  |
|  | Core i3-7100T 2C/3.4GHz/3MB/35W/DDR4-2400   |
|  | Core i3-7100 2C/3.9GHz/3MB/51W/DDR4-2400  |
|  | Pentium G4620 2C/3.7GHz/3MB/51W/DDR4-2400   |
|  | Pentium G4600T 2C/3GHz/3MB/35W/DDR4-2400  |
|  | Pentium G4600 2C/3.6GHz/3MB/51W/DDR4-2400   |
|  | Pentium G4560T 2C/2.9GHz/3MB/35W/DDR4-2400  |
|  | Pentium G4560 2C/3.5GHz/3MB/54W/DDR4-2400   |
|  | Celeron G3950 2C/3GHz/2MB/51W/DDR4-2133   |
|  | Celeron G3930T 2C/2.7GHz/2MB/35W/DDR4-2133  |
|  | Celeron G3930 2C/2.9GHz/2MB/51W/DDR4-2133   |
|  | "Skylake" processors:   |
|  | Xeon E3-1280 v5 4C/3.7GHz/8MB/80W/DDR4-2133   |
|  | Xeon E3-1270 v5 4C/3.6GHz/8MB/80W/DDR4-2133   |
|  | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133   |
|  | Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133   |
|  | Xeon E3-1220 v5 4C/3GHz/8MB/80W/DDR4-2133   |
|  | Xeon E3-1275 v5 4C/3.6GHz/8MB/80W/DDR4-2133   |
|  | Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133   |
|  | Xeon E3-1225 v5 4C/3.3GHz/8MB/80W/DDR4-2133   |
|  | Core i3-6320 2C/3.9GHz/4MB/51W/DDR4-2133  |
|  | Core i3-6300 2C/3.8GHz/4MB/51W/DDR4-2133  |
|  | Core i3-6300T 2C/3.3GHz/4MB/35W/DDR4-2133   |
|  | Core i3-6100 2C/3.7GHz/3MB/51W/DDR4-2133  |
| Core i3-6100T 2C/3.2GHz/3MB/35W/DDR4-2133  |   |
| Pentium G4520 2C/3.6GHz/3MB/51W/DDR4-2133  |   |
| Pentium G4500 2C/3.5GHz/3MB/51W/DDR4-2133  |   |
| Pentium G4500T 2C/3GHz/3MB/35W/DDR4-2133   |   |
| Pentium G4400 2C/3.3GHz/3MB/54W/DDR4-2133  |   |
| Pentium G4400T 2C/2.9GHz/3MB/35W/DDR4-2133 |   |
| Celeron G3920 2C/2.9GHz/2MB/51W/DDR4-2133  |   |
| Celeron G3900 2C/2.8GHz/2MB/51W/DDR4-2133  |   |
| Celeron G3900T 2C/2.6GHz/2MB/35W/DDR4-2133 |   |
| Chipset                                    | Intel C236 Platform Controller Hub (PCH)  |
| Memory DIMMs                               | 4 DIMM sockets with 2 channels, 2 DIMMs per channel. UDIMM. Up to DDR4-2400   |
| Memory capacity                            | 64GB (16GB x 4)   |
| Memory protection                          | ECC   |
| RAID controller                            | RAID controller   |
|  | Drive type  |
| RAID controller                            | Onboard RAID121i 6Gbs SATA 0/1/5/10   |
|  | RAID520i PCIe 12Gbs SAS/SATA 0/1/10, 5 with optional key  |
| Disk bays                                  | Supports up to four 3.5" or hybrid 3.5" + 2.5" disk drives, or up to five 2.5" disk drives, one 9.5mm optical (see right). Non-hot swap. Cables are connected to onboard SATA connectors or PCIe RAID controller. Supports one optional internal USB RDX Tape drive |
| Supporting storage                         | 3.5" HDD, 7.2K SATA6Gbs 500GB/1TB/2TB/3TB/4TB/5TB/6TB/10TB  |
|  | 2.5" HDD, 7.2K SATA6Gbs 500GB/1TB/2TB   |
|  | 2.5" SSD, SATA6Gbs 120GB/240GB/480GB/600GB/800GB/960GB  |

| Components                  | Specification   |                                      |
|-----------------------------|---|--------------------------------------|
| SD module                   | Optional. Up to 2 SDHC flash cards via SD module, 8GB each  |                                      |
| Optical drive               | Up to two half-height optical drives or one 9.5mm optical. DVD-ROM or DVD±RW  |                                      |
| Network interfaces          | One Gigabit Ethernet port, Intel i219LM. Supports optional discrete network adapters via PCIe slots   |                                      |
| Security features           | Power-on and administrator password. TPM (TCG 1.2-compliant)  |                                      |
| Systems management          | UEFI, system LEDs, EasyStartup, EasyUpdate, Power Planner, and Diagnostics. Intel Active Management Technology 11 on models with Xeon processors. Intel Standard Manageability on models with Core i3, Pentium, or Celeron processors. KVM is supported on models with Xeon E3-12x5 v5 processors   |                                      |
| Operating systems           | Microsoft Windows Server 2016/2012 R2/2012, Windows MultiPoint Server 2012, Windows 10 Pro. Red Hat Enterprise Linux 6.7/7.2. SUSE Linux Enterprise Server 11/12. VMware vSphere (ESXi) 5.5U3/6.0U2   |                                      |
| Base warranty               | 1 or 3-year limited onsite service with 9x5/NBD   |                                      |
| Power supply                | Supports one of the following:<br>• One fixed 250 watts, autosensing, 85%, 80 PLUS Bronze qualified<br>• One fixed 400 watts, autosensing, 92%, 80 PLUS Platinum qualified  |                                      |
| Graphics                    | Integrated Intel HD Graphics on Xeon E3-12x5 v5, Core i3, Pentium, and Celeron processors. Uses main memory, works along with discrete graphics to support multi-display, enables two display connectors (1 DP, 1 VGA) on rear ports. Also supports the following discrete graphics adapter options:<br>• NVIDIA Quadro NVS 315, 1GB<br>• NVIDIA Quadro K620, 2GB |                                      |
| HD Audio                    | Realtek ALC662 codec  |                                      |
| Front ports                 | Two USB 3.0   |                                      |
| Rear ports                  | One VGA, one DisplayPort, six USB 3.0, one RJ-45, one serial (9-pin), three analog audio ports (line-in, line-out, mic-in). Optional parallel or serial ports via PCIe adapters   |                                      |
| Noise emissions             | Operating: < 35 dB(A). Idle: < 34 dB(A) (Maximum configuration)   |                                      |
| Environmental specification | Temperature - operating   | 50 °F to 95 °F (10 °C to 35 °C)      |
|                             | Temperature - non operating (with package)  | -40 °C to 60 °C                      |
|                             | Altitude - operating  | (Unpressurized): 0-10000ft (0-3048m) |
|                             | Humidity - operating  | 8%-80%, non-condensing               |
|                             | Humidity - storage (with package)   | 10%-90%, non-condensing              |



Note:  
1. PCIe cards are optional.  
2. Disk tray comes with the disk drive.

| Disk Bays and PCIe Slots |  |  |   |
|--------------------------|--|--|---|
|                          | 4 x 3.5"   | 5 x 2.5"   | 4 x hybrid 3.5" + 2.5"  |
| Bay 1                    | 1st HDD bay  | 1st HDD bay  | 1st HDD bay, 3.5"/2.5"  |
| Bay 2                    | 2nd HDD bay  | 2nd HDD bay  | 2nd HDD bay, 3.5"/2.5"  |
| Bay 3                    | Not supported  | 3rd HDD bay  | Not supported on standard models. Supports one 2.5" disk drive for special bid only |
| Bay 4                    | 2nd half-height optical, or RDX tape drive, or 3rd HDD bay   | 2nd half-height optical, or RDX tape drive, or 4th HDD bay | 2nd half-height optical, or RDX tape drive, or 3rd HDD bay (3.5"/2.5")              |
| Bay 5                    | 1st half-height optical, or 9.5mm optical + 4th HDD bay  | 1st half-height optical, or 9.5mm optical + 5th HDD bay    | 1st half-height optical, or 9.5mm optical + 4th HDD bay (3.5"/2.5")                 |
| 6                        | Four PCIe slots (top-down):<br>Slot 1: PCIe 3.0 x16, full height, half length (near CPU)<br>Slot 2: PCIe 3.0 x1, full height, half length<br>Slot 3: PCIe 3.0 x16 (x4 elec), full height, half length<br>Slot 4: PCIe 3.0 x1, full height, half length |  |   |

ThinkServer TS150 - TopSeller - 70LV

Product Specifications Reference (PSREF)

| Model      | Region | Processor                                   | Memory                    | Storage Controller | Disk Bays                   | Disks | Optical      | Add-on NIC | Add-on Ports | System Mgmt | OS   | Warranty | Power Supply      | Ann Date (m/y) |
|------------|--------|---|---------------------------|--------------------|-----------------------------|-------|--------------|------------|--------------|-------------|------|----------|-------------------|----------------|
| 70LV002XUX | US     | Xeon E3-1225 v5 4C/3.3GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | Up to 5x2.5" DC             | Open  | None         | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 08/16          |
| 70LV002YUX | US     | Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | Up to 5x2.5" DC             | Open  | None         | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 08/16          |
| 70LV0030UX | US     | Xeon E3-1275 v5 4C/3.6GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | Up to 5x2.5" DC             | Open  | None         | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 08/16          |
| 70LV0031UX | US     | Xeon E3-1225 v5 4C/3.3GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | Up to 4x3.5" DC             | Open  | None         | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 08/16          |
| 70LV0032UX | US     | Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | Up to 4x3.5" DC             | Open  | None         | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 08/16          |
| 70LV0033UX | US     | Xeon E3-1275 v5 4C/3.6GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | Up to 4x3.5" DC             | Open  | None         | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 08/16          |
| 70LV0034UX | US     | Core i3-6100T 2C/3.2GHz/3MB/35W/DDR4-2133   | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | Up to 4x3.5" DC/3 available | Open  | HH DVD±RW    | None       | None         | ISM         | None | 1-year   | Fixed 250W Bronze | 08/16          |
| 70LV0035UX | US     | Core i3-6100T 2C/3.2GHz/3MB/35W/DDR4-2133   | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | Up to 4x3.5" DC             | Open  | None         | None       | None         | ISM         | None | 1-year   | Fixed 250W Bronze | 08/16          |
| 70LV0036UX | US     | Xeon E3-1225 v5 4C/3.3GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | Up to 4x3.5" DC             | Open  | 9.5mm DVD±RW | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 08/16          |
| 70LV0037UX | US     | Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | Up to 4x3.5" DC             | Open  | 9.5mm DVD±RW | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 08/16          |
| 70LV0038UX | US     | Xeon E3-1275 v5 4C/3.6GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | Up to 4x3.5" DC             | Open  | 9.5mm DVD±RW | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 08/16          |
| 70LV0039UX | US     | Xeon E3-1225 v5 4C/3.3GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | Up to 5x2.5" DC             | Open  | 9.5mm DVD±RW | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 08/16          |
| 70LV003AUX | US     | Xeon E3-1245 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | Up to 5x2.5" DC             | Open  | 9.5mm DVD±RW | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 08/16          |
| 70LV003BUX | US     | Xeon E3-1275 v5 4C/3.6GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID 121i          | Up to 5x2.5" DC             | Open  | 9.5mm DVD±RW | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 08/16          |

# ThinkServer TS150 - TopSeller - 70LX

Product Specifications Reference (PSREF)

| Model      | Region | Processor                                   | Memory                       | Storage Controller | Disk Bays          | Disks | Optical | Add-on NIC | Add-on Ports | System Mgmt | OS   | Warranty | Power Supply           | Ann Date (m/y) |
|------------|--------|---|------------------------------|--------------------|--------------------|-------|---------|------------|--------------|-------------|------|----------|------------------------|----------------|
| 70LX0017UX | US     | Xeon E3-1275 v5 4C/3.6GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM<br>DDR4-2133 ECC | RAID 121i          | Up to<br>4x3.5" DC | Open  | None    | None       | None         | AMT         | None | 1-year   | Fixed 400W<br>Platinum | 08/16          |
| 70LX0018UX | US     | Xeon E3-1275 v5 4C/3.6GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM<br>DDR4-2133 ECC | RAID 121i          | Up to<br>5x2.5" DC | Open  | None    | None       | None         | AMT         | None | 1-year   | Fixed 400W<br>Platinum | 08/16          |



## ThinkServer TS150 - TopSeller - 70UB

Product Specifications Reference (PSREF)

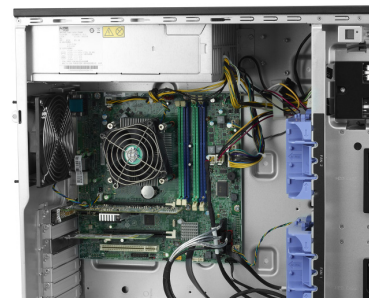
| Model      | Region | Processor                                   | Memory                    | Storage Controller | Disk Bays                   | Disks | Optical      | Add-on NIC | Add-on Ports | System Mgmt | OS   | Warranty | Power Supply      | Ann Date (m/y) |
|------------|--------|---|---------------------------|--------------------|-----------------------------|-------|--------------|------------|--------------|-------------|------|----------|-------------------|----------------|
| 70UB0009UX | US     | Xeon E3-1225 v6 4C/3.3GHz/8MB/73W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID 121i          | Up to 4x3.5" DC             | Open  | None         | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 04/17          |
| 70UB000AUX | US     | Xeon E3-1225 v6 4C/3.3GHz/8MB/73W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID 121i          | Up to 4x3.5" DC             | Open  | 9.5mm DVD±RW | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 04/17          |
| 70UB000BUX | US     | Xeon E3-1245 v6 4C/3.7GHz/8MB/73W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID 121i          | Up to 4x3.5" DC             | Open  | 9.5mm DVD±RW | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 04/17          |
| 70UB000CUX | US     | Xeon E3-1245 v6 4C/3.7GHz/8MB/73W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID 121i          | Up to 4x3.5" DC             | Open  | None         | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 04/17          |
| 70UB000DUX | US     | Xeon E3-1275 v6 4C/3.8GHz/8MB/73W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID 121i          | Up to 4x3.5" DC             | Open  | None         | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 04/17          |
| 70UB000EUX | US     | Xeon E3-1275 v6 4C/3.8GHz/8MB/73W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID 121i          | Up to 4x3.5" DC             | Open  | 9.5mm DVD±RW | None       | None         | AMT         | None | 1-year   | Fixed 250W Bronze | 04/17          |
| 70UB001WUX | US     | Core i3-6100T 2C/3.2GHz/3MB/35W/DDR4-2133   | 1x8GB UDIMM DDR4-2400 ECC | RAID 121i          | Up to 4x3.5" DC/3 available | Open  | HH DVD±RW    | None       | None         | ISM         | None | 1-year   | Fixed 250W Bronze | 04/17          |
| 70UB001XUX | US     | Core i3-6100T 2C/3.2GHz/3MB/35W/DDR4-2133   | 1x8GB UDIMM DDR4-2400 ECC | RAID 121i          | Up to 4x3.5" DC             | Open  | None         | None       | None         | ISM         | None | 1-year   | Fixed 250W Bronze | 04/17          |



# ThinkServer TS440 Platform Specifications

| Components                  | Specification  |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
|-----------------------------|--|------------------------|--|--|--|---------|---------|---------|---------------------|---|--|--|-----------|---|---|---|-----------|--|---|---|-----------|--|---|---|
| Dimensions                  | Tower or 5U rack.<br>Height: 430 mm (16.9 in), width: 195 mm (7.68 in), depth: 595 mm (23.4 in)  |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| Weight                      | Maximum configuration: 61.7 lb (28kg)  |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| Processor                   | Supports one of the following Intel processors (code name: Haswell):<br>• Xeon E3-1200 v3: up to 4C/3.7GHz/8MB/84W/1600MHz   |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| Chipset                     | Intel C226 Platform Controller Hub (PCH)   |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| Memory DIMMs                | 4 DIMM sockets, 2-channel capable. UDIMM, DDR3, up to 1600MHz  |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| Memory capacity             | 32GB   |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| Memory protection           | ECC  |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| RAID controller             | Supports one of the following onboard or PCIe RAID adapters:<br>• RAID 0, 1, 5, 10 with onboard RAID 100, 6Gb/s SATA.<br>• RAID 0, 1, 10 with RAID 500, PCIe adapter, 6Gb/s SAS/SATA, optional key for RAID5/50.<br>• RAID 0, 1, 5, 6, 10, 50, 60 with RAID 700, PCIe adapter, 6Gb/s SAS/SATA, optional Intelligent Battery Backup Unit (iBBU08).<br><i>Note: RAID 50 and 60 are supported on 8 hard drive bays models only.</i>   |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| Disk drive bays             | Up to 4 3.5" disk bays, non-hot swap, direct cable. Or up to 8 3.5" disk bays, hot-swap. Or up to 8 2.5" disk bays, hot-swap. On front.<br>Supports internal RDX tape drive, consumes 5.25" bay, also supports optional external USB RDX tape drive.<br><table border="1"> <thead> <tr> <th rowspan="2">Disk bay configuration</th> <th colspan="3">RAID controller requirements and optional drives supported</th> </tr> <tr> <th>RAID100</th> <th>RAID500</th> <th>RAID700</th> </tr> </thead> <tbody> <tr> <td>4x3.5" non-hot swap</td> <td>•</td> <td></td> <td></td> </tr> <tr> <td>4x3.5" HS</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>8x3.5" HS</td> <td></td> <td>•</td> <td>•</td> </tr> <tr> <td>8x2.5" HS</td> <td></td> <td>•</td> <td>•</td> </tr> </tbody> </table> | Disk bay configuration | RAID controller requirements and optional drives supported |  |  | RAID100 | RAID500 | RAID700 | 4x3.5" non-hot swap | • |  |  | 4x3.5" HS | • | • | • | 8x3.5" HS |  | • | • | 8x2.5" HS |  | • | • |
| Disk bay configuration      | RAID controller requirements and optional drives supported   |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
|                             | RAID100  | RAID500                | RAID700  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| 4x3.5" non-hot swap         | •  |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| 4x3.5" HS                   | •  | •                      | •  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| 8x3.5" HS                   |  | •                      | •  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| 8x2.5" HS                   |  | •                      | •  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| Maximum internal storage    | 3.5" non-hot swap model: up to 24TB with 7.2K SATA HDD.<br>3.5" hot swap model: up to 48TB with 7.2K SATA HDD, up to 32TB with 7.2K SAS HDD, up to 4.8TB with 15K SAS HDD, up to 2.4TB with SATA SSD<br>2.5" hot swap model: up to 8TB with 7.2K SATA HDD, up to 7.2TB with 10K SAS HDD, up to 4.8TB with 15K SAS HDD, up to 2.4TB with SATA SSD<br><i>Note: Supports up to 4 SSD drives.</i>  |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| Optical drive               | Two 5.25" bays for optical. DVD-ROM or DVD±RW. Half-height   |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| Network interfaces          | One onboard gigabit ethernet, Intel I217, shared with AMT. Supports optional discrete network adapters via PCIe slots  |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| Security features           | Power-on and administrator password. TPM (TCG 1.2-compliant).<br>Optional padlock loop, Kensington cable lock  |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| Systems management          | Intel Active Management Technology 9 on models with Xeon processor. Remote presence is supported on models with Xeon E3-12x5 v3 or E3-12x6 v3 processor  |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |
| Operating systems supported | Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011. Windows 8.1/8/7(except Home edition). Red Hat Enterprise Linux 6.4/6.5/6.7/7/7.1. SUSE Linux Enterprise Server 11/12. VMware vSphere (ESXi) 5.1 U1/5.1 U2/5.5/5.5 U1/5.5 U2/5.5 U3, Citrix Xen server 6.2<br><i>Note: VMware requires processors with Intel HD, add-on network adapters, and PCIe RAID adapters.</i>   |                        |  |  |  |         |         |         |                     |   |  |  |           |   |   |   |           |  |   |   |           |  |   |   |

| Components                  | Specification   |   |
|-----------------------------|---|---|
| Base warranty               | 1 or 3-year limited onsite service with 9x5/NBD.  |   |
| Power supply                | Supports one of the following, depending on models:<br>• One fixed 450 watts, universal, 80 PLUS Platinum qualified.<br>• Up to two redundant 450 watts, two maximum, rear access, hot-swap, 80 PLUS Gold qualified, redundant with two power supplies  |   |
| Graphics                    | Integrated Intel HD Graphics on Xeon E3-12x6 v3, Xeon E3-12x5 v3 processors.<br>Uses main memory, works along with discrete graphics to support multi-display, enables one VGA connector on rear.<br>Also supports the following optional discrete graphics adapters:<br>• NVIDIA Quadro NVS 300, PCIe adapter, 512MB<br>• NVIDIA Quadro NVS 315, PCIe adapter, 1GB |   |
| Front ports                 | Two USB 3.0 (blue)  |   |
| Rear ports                  | One VGA for models with Intel HD Graphics, two USB 2.0, four USB 3.0 (blue), one serial (9-pin), one ethernet (RJ-45). Optional parallel or serial ports via PCI or PCIe adapters   |   |
| Noise emissions             | Operating: < 42 dB(A). Idle: < 38 dB(A) (Maximum configuration)   |   |
| Environmental specification | GREENGUARD certified, Energy Star Server 1.1 qualified, RoHS-compliant  |   |
|                             | Temperature - operating   | 50 °F to 95 °F (10 °C to 35 °C)                         |
|                             | Temperature - storage (with package)  | -40 °C to 70 °C   |
|                             | Altitude - operating  | Supported Altitude (unpressurized): 0-10000ft (0-3048m) |
|                             | Humidity - operating  | 10%-80%, non-condensing                                 |
|                             | Humidity - storage (with package)   | 10%-90%, non-condensing                                 |



### Expansion slots

- Four PCIe slots (top-down):  
Slot 1: PCIe 3.0 x16, full height, half length (near CPU)  
Slot 2: PCIe 3.0 x1, full height, half length  
Slot 3: PCIe 2.0 x16 (x4 elec), full height, half length  
Slot 4: PCI 2.3, full height, half length  
*Note: All PCI/PCIe adapters are optional.*

# ThinkServer TS440 - TopSeller - 70AN

Product Specifications Reference (PSREF)

| Model      | Region | Processor                                   | Memory                       | Storage Controller | Disk Bays    | Disks | Optical | Add-on NIC | System Mgmt | OS   | Warranty | Power Supply        | Ann Date (m/y) |
|------------|--------|---|------------------------------|--------------------|--------------|-------|---------|------------|-------------|------|----------|---------------------|----------------|
| 70AN0001UX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM<br>DDR3-1600 ECC | RAID 100           | 4x3.5"<br>HS | Open  | HH DVD  | None       | AMT9        | None | 1-year   | 450W Platinum Fixed | 09/13          |
| 70AN0002UX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM<br>DDR3-1600 ECC | RAID 100           | 4x3.5"<br>HS | Open  | HH DVD  | None       | AMT9        | None | 3-year   | 450W Platinum Fixed | 09/13          |
| 70AN000KUX | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM<br>DDR3-1600 ECC | RAID 100           | 4x3.5"<br>HS | Open  | HH DVD  | None       | AMT9        | None | 1-year   | 450W Platinum Fixed | 09/14          |

| Model      | Region | Processor                                   | Memory                    | Storage Controller | Disk Bays | Disks                           | Optical   | Add-on NIC | System Mgmt | OS               | Warranty | Power Supply | Ann Date (m/y) |
|------------|--------|---|---------------------------|--------------------|-----------|---------------------------------|-----------|------------|-------------|------------------|----------|--------------|----------------|
| 70AQ0005US | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | 2x500GB HDD 7.2K 3.5" SATA6Gbps | HH DVD±RW | None       | AMT9        | 2012 Foundations | 3-year   | 450Wx1 Gold  | 09/13          |
| 70AQ0006US | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | 2x500GB HDD 7.2K 3.5" SATA6Gbps | HH DVD±RW | None       | AMT9        | 2012 Essentials  | 3-year   | 450Wx1 Gold  | 09/13          |
| 70AQ0007US | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | 2x500GB HDD 7.2K 3.5" SATA6Gbps | HH DVD±RW | None       | AMT9        | 2012 Standard    | 3-year   | 450Wx1 Gold  | 09/13          |
| 70AQ0009UX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None             | 1-year   | 450Wx1 Gold  | 09/13          |
| 70AQ000AUX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None             | 3-year   | 450Wx1 Gold  | 09/13          |
| 70AQ000BUX | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None             | 3-year   | 450Wx1 Gold  | 09/13          |
| 70AQ000CUX | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 8x3.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None             | 3-year   | 450Wx1 Gold  | 09/13          |
| 70AQ000DUX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 8x3.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None             | 3-year   | 450Wx1 Gold  | 09/13          |
| 70AQ000EUX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 8x2.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None             | 3-year   | 450Wx1 Gold  | 09/13          |
| 70AQ000FUX | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 8x2.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None             | 3-year   | 450Wx1 Gold  | 09/13          |
| 70AQ000GUX | US     | Xeon E3-1275 v3 4C/3.5GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None             | 3-year   | 450Wx1 Gold  | 09/13          |
| 70AQ000HUX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 700           | 8x3.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None             | 3-year   | 450Wx1 Gold  | 09/13          |
| 70AQ000NUX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 4x3.5" HS | Open                            | HH DVD    | None       | AMT9        | None             | 1-year   | 450Wx1 Gold  | 09/13          |
| 70AQ000PUX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 4x3.5" HS | Open                            | HH DVD    | None       | AMT9        | None             | 3-year   | 450Wx1 Gold  | 09/13          |
| 70AQ000XUX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 8x3.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None             | 1-year   | 450Wx1 Gold  | 05/14          |
| 70AQ000YUX | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 8x3.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None             | 1-year   | 450Wx1 Gold  | 05/14          |
| 70AQ001JUX | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None             | 1-year   | 450Wx1 Gold  | 09/14          |

| Model      | Region | Processor                                   | Memory                    | Storage Controller | Disk Bays | Disks                           | Optical   | Add-on NIC | System Mgmt | OS                  | Warranty | Power Supply | Ann Date (m/y) |
|------------|--------|---|---------------------------|--------------------|-----------|---------------------------------|-----------|------------|-------------|---------------------|----------|--------------|----------------|
| 70AQ001KUX | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 8x3.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None                | 1-year   | 450Wx1 Gold  | 09/14          |
| 70AQ001LUX | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | Open                            | HH DVD    | None       | AMT9        | None                | 1-year   | 450Wx1 Gold  | 09/14          |
| 70AQ001MUS | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | 2x500GB HDD 7.2K 3.5" SATA6Gbps | HH DVD±RW | None       | AMT9        | 2012 R2 Foundations | 1-year   | 450Wx1 Gold  | 09/14          |
| 70AQ001NUS | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | 2x500GB HDD 7.2K 3.5" SATA6Gbps | HH DVD±RW | None       | AMT9        | 2012 R2 Essentials  | 1-year   | 450Wx1 Gold  | 09/14          |
| 70AQ001PUS | US     | Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | 2x500GB HDD 7.2K 3.5" SATA6Gbps | HH DVD±RW | None       | AMT9        | 2012 R2 Standard    | 1-year   | 450Wx1 Gold  | 09/14          |
| 70AQ001QUX | US     | Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None                | 1-year   | 450Wx1 Gold  | 09/14          |
| 70AQ001RUX | US     | Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 8x3.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None                | 1-year   | 450Wx1 Gold  | 09/14          |
| 70AQ001SUX | US     | Xeon E3-1246 v3 4C/3.5GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 8x2.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None                | 1-year   | 450Wx1 Gold  | 09/14          |
| 70AQ001TUX | US     | Xeon E3-1276 v3 4C/3.6GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 700           | 8x3.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None                | 1-year   | 450Wx1 Gold  | 09/14          |
| 70AQ001UUX | US     | Xeon E3-1276 v3 4C/3.6GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 700           | 8x2.5" HS | Open                            | HH DVD±RW | None       | AMT9        | None                | 1-year   | 450Wx1 Gold  | 09/14          |

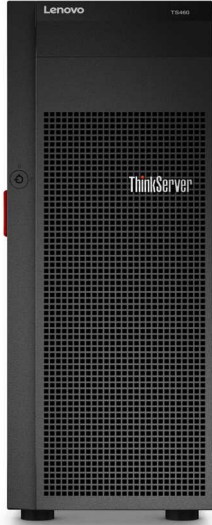
ThinkServer TS440 - 70AL

Product Specifications Reference (PSREF)

| Model      | Region | Processor                                   | Memory                    | Storage Controller | Disk Bays | Disks                           | Optical     | Add-on NIC | System Mgmt | OS               | Warranty | Power Supply        | Ann Date (m/y) |
|------------|--------|---|---------------------------|--------------------|-----------|---------------------------------|-------------|------------|-------------|------------------|----------|---------------------|----------------|
| 70AL0000US | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 3x8GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | 3x3TB HDD 7.2K 3.5" SATA6Gbps   | HH DVD±RW   | 2xGbE      | AMT9        | 2012 Foundations | 1-year   | 450W Platinum Fixed | 09/13          |
| 70AL0001US | US     | Xeon E3-1245 v3 4C/3.4GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 500           | 8x2.5" HS | 1x500GB HDD 7.2K 2.5" SATA6Gbps | 2xHH DVD±RW | 4xGbE      | AMT9        | 2012 Foundations | 1-year   | 450W Platinum Fixed | 09/13          |
| 70AL0002UX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | 1x500GB HDD 7.2K 3.5" SATA6Gbps | HH DVD      | None       | AMT9        | None             | 3-year   | 450W Platinum Fixed | 09/13          |
| 70AL0003UX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM DDR3-1600 ECC | RAID 100           | 4x3.5" HS | Open                            | HH DVD      | None       | AMT9        | None             | 3-year   | 450W Platinum Fixed | 09/13          |

| Model      | Region | Processor                                   | Memory                       | Storage Controller | Disk Bays    | Disks                                 | Optical        | Add-on NIC | System Mgmt | OS               | Warranty | Power Supply   | Ann Date (m/y) |
|------------|--------|---|------------------------------|--------------------|--------------|---------------------------------------|----------------|------------|-------------|------------------|----------|----------------|----------------|
| 70AM0000US | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 2x2GB UDIMM<br>DDR3-1600 ECC | RAID 100           | 4x3.5"<br>DC | 2x500GB HDD<br>7.2K 3.5"<br>SATA6Gbps | HH DVD         | 1xGbE      | AMT9        | 2012 Foundations | 1-year   | 450Wx1<br>Gold | 09/13          |
| 70AM0001US | US     | Xeon E3-1275 v3 4C/3.5GHz/8MB/84W/DDR3-1600 | 4x2GB UDIMM<br>DDR3-1600 ECC | RAID 500+Key       | 8x3.5"<br>HS | 8x2TB HDD 7.2K<br>3.5" SATA6Gbps      | 2xHH<br>DVD±RW | 1xGbE      | AMT9        | 2012 Foundations | 1-year   | 450Wx2<br>Gold | 09/13          |
| 70AM0002UX | US     | Xeon E3-1280 v3 4C/3.6GHz/8MB/82W/DDR3-1600 | 3x4GB UDIMM<br>DDR3-1600 ECC | RAID 700           | 8x2.5"<br>HS | 3x600GB HDD<br>10K 2.5"<br>SAS6Gbps   | HH DVD         | 4xGbE      | AMT9        | None             | 1-year   | 450Wx1<br>Gold | 09/13          |
| 70AM0003US | US     | Xeon E3-1285 v3 4C/3.6GHz/8MB/84W/DDR3-1600 | 4x8GB UDIMM<br>DDR3-1600 ECC | RAID 700           | 8x2.5"<br>HS | 8x900GB HDD<br>10K 2.5"<br>SAS6Gbps   | HH DVD±RW      | 2xGbE      | AMT9        | 2012 Foundations | 1-year   | 450Wx2<br>Gold | 09/13          |
| 70AM0004UX | US     | Xeon E3-1225 v3 4C/3.2GHz/8MB/84W/DDR3-1600 | 1x4GB UDIMM<br>DDR3-1600 ECC | RAID 100           | 4x3.5"<br>HS | Open                                  | HH DVD         | None       | AMT9        | None             | 3-year   | 450Wx1<br>Gold | 09/13          |



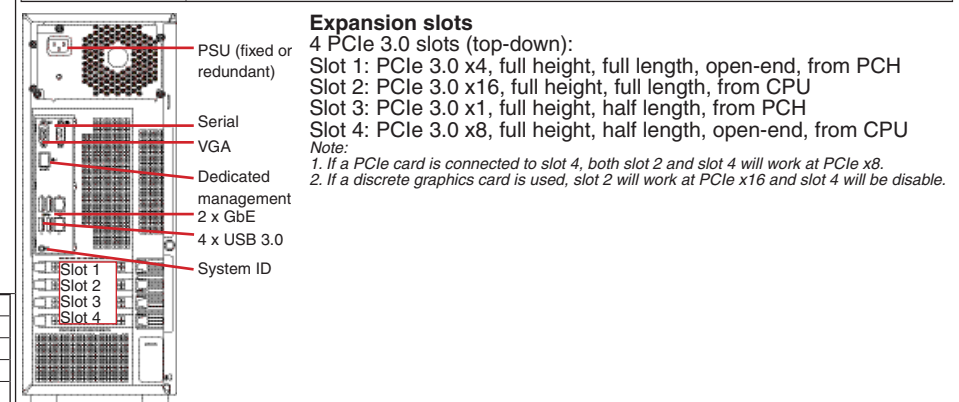


# ThinkServer TS460 Platform Specifications

Product Specifications Reference (PSREF)

| Components   | Specification   |
|--|---|
| Dimensions   | 42L tower or 4U rack.<br>Height: 443.5 mm (17.46 in) with foot stands. Width: 173 mm (6.81 in). Depth: 593 mm (23.35 in) including front door and handle of hot-swap power supply |
| Weight   | Maximum configuration: 57.32 lb (26.5 kg)   |
| Processor  | Supports one of the following Intel "Kaby Lake" processors:   |
|  | Xeon E3-1280 v6 4C/3.9GHz/8MB/72W/DDR4-2400   |
|  | Xeon E3-1270 v6 4C/3.8GHz/8MB/72W/DDR4-2400   |
|  | Xeon E3-1240 v6 4C/3.7GHz/8MB/72W/DDR4-2400   |
|  | Xeon E3-1230 v6 4C/3.5GHz/8MB/72W/DDR4-2400   |
|  | Xeon E3-1220 v6 4C/3GHz/8MB/72W/DDR4-2400   |
|  | Core i3-7320 2C/4.1GHz/4MB/51W/DDR4-2400  |
|  | Core i3-7300 2C/4GHz/4MB/51W/DDR4-2400  |
|  | Core i3-7300T 2C/3.5GHz/4MB/35W/DDR4-2400   |
|  | Core i3-7100 2C/3.9GHz/3MB/51W/DDR4-2400  |
| Core i3-7100T 2C/3.4GHz/3MB/35W/DDR4-2400  |   |
| Pentium G4620 2C/3.7GHz/3MB/51W/DDR4-2400  |   |
| Pentium G4600 2C/3.6GHz/3MB/51W/DDR4-2400  |   |
| Pentium G4600T 2C/3GHz/3MB/35W/DDR4-2400   |   |
| Pentium G4560 2C/3.5GHz/3MB/54W/DDR4-2400  |   |
| Pentium G4560T 2C/2.9GHz/3MB/35W/DDR4-2400   |   |
| Processor  | Supports one of the following Intel "Skylake" processors:   |
|  | Xeon E3-1280 v5 4C/3.7GHz/8MB/80W/DDR4-2133   |
|  | Xeon E3-1270 v5 4C/3.6GHz/8MB/80W/DDR4-2133   |
|  | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133   |
|  | Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133   |
|  | Xeon E3-1220 v5 4C/3GHz/8MB/80W/DDR4-2133   |
|  | Core i3-6320 2C/3.9GHz/4MB/51W/DDR4-2133  |
|  | Core i3-6300T 2C/3.3GHz/4MB/35W/DDR4-2133   |
|  | Core i3-6300 2C/3.8GHz/4MB/51W/DDR4-2133  |
|  | Core i3-6100T 2C/3.2GHz/3MB/35W/DDR4-2133   |
| Core i3-6100 2C/3.7GHz/3MB/51W/DDR4-2133   |   |
| Pentium G4520 2C/3.6GHz/3MB/51W/DDR4-2133  |   |
| Pentium G4500T 2C/3GHz/3MB/35W/DDR4-2133   |   |
| Pentium G4500 2C/3.5GHz/3MB/51W/DDR4-2133  |   |
| Pentium G4400T 2C/2.9GHz/3MB/35W/DDR4-2133   |   |
| Pentium G4400 2C/3.3GHz/3MB/54W/DDR4-2133  |   |
| Chipset  | Intel C232 Platform Controller Hub (PCH)  |
| Memory DIMMs   | 4 DIMM sockets with 2-channels. UDIMM. DDR4-2133 or DDR4-2400   |
| Memory capacity  | Up to 64GB (16GB x 4)   |
| Memory protection  | ECC   |
| RAID controller  | RAID controller   |
|  | Drive type  |
|  | RAID support  |
| RAID controller  | Onboard RAID121i 6Gbs SATA 0/1/5/10   |
| RAID520i PCIe 12Gbs SAS/SATA 0/1/10, 5 with optional key   |   |
| RAID720i PCIe 12Gbs SAS/SATA 0/1/10/5/50, 6/60 with optional cache   |   |
|  | Optional cache for RAID720i: 1GB memory, or 1GB, 2GB, 4GB flash with super capacitor.   |
| Disk drive bays  | Supports one of the following configurations:   |
|  | Disk bays configuration   |
|  | RAID controller   |
|  | Optical   |
|  | Tape drive  |
|  | RDX   |
|  | LTO   |
|  | 4x3.5" SATA non-hot swap 121i up to 2 up to 1 -   |
|  | 4x3.5" SATA hot-swap 121i up to 2 up to 1 -   |
|  | 4x3.5" SATA/SAS hot-swap 520i or 720i up to 2 up to 1 up to 1, 520i only  |
| 8x3.5" SATA/SAS hot-swap 520i or 720i up to 2 up to 1 -  |   |
| 8x2.5" SATA/SAS hot-swap 520i or 720i up to 2 up to 1 -  |   |
| 16x2.5" SATA/SAS hot-swap 520i or 720i up to 2 up to 1 -   |   |
| 4x3.5" + 8x2.5" SATA/SAS hot-swap 520i or 720i up to 2 up to 1 -   |   |
| 4 x 3.5" HS can be upgraded to 8 x 3.5" HS or 4 x 3.5" + 8 x 2.5" HS, 8 x 2.5" HS can be upgraded to 16 x 2.5" HS or 4 x 3.5" + 8 x 2.5" HS, redundant PSU models only, RAID520i/RAID720i and expansion kit is needed, more that 8 disk bays needs expander card. Also supports one M.2 SATA SSD, 32GB or 128GB. |   |
| Supporting disk drives   | 3.5" SATA HDD, 7.2K 6Gbs, HS or NHS 1TB/2TB/3TB/4TB/6TB/8TB/10TB/12TB   |
|  | 3.5" SAS HDD, 7.2K 12Gbs, HS 1TB/2TB/3TB/4TB/6TB/8TB/10TB   |
|  | 2.5" SAS HDD, 10K 12Gbs, HS, 2.5" or 3.5" bay 300GB/600GB/900GB/1.2TB/1.8TB/2.4TB   |
|  | 2.5" SAS HDD, 15K 12Gbs, HS, 2.5" or 3.5" bay 300GB/600GB   |
|  | 2.5" SATA SSD, 6Gbs, HS, 2.5" or 3.5" bay 120GB/240GB/480GB/800GB/960GB   |
|  | 2.5" SATA HDD, 7.2K 6Gbs, HS 1TB/2TB 32GB/128GB   |

| Components                  | Specification  |  |                                |                                |
|-----------------------------|--|--|--------------------------------|--------------------------------|
| Maximum internal storage    | Up to 64TB with 8TB 3.5" SAS or SATA HDDs, 8 x 3.5" HS bay   |  |                                |                                |
| Optical drive               | Two 5.25" bays. Up to 2 optical drives. DVD-ROM or DVD±RW. Half-height. 2nd optical drive will be disable if M.2 SATA SSD is used  |  |                                |                                |
| Tape drive                  | Supports one tape drive in 5.25" bay. RDX or LTO. LTO Tape drive needs RAID520i  |  |                                |                                |
| Network interfaces          | Two integrated Gigabit Ethernet 1000BASE-T ports (RJ-45) with Intel i210. One dedicate management port with Realtek RTL8211E   |  |                                |                                |
| Systems management          | UEFI. Onboard Aspeed AST2400 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, disk drives, network, system. On rear system ID. Supports EasyStartup, Power Planner, Lenovo ThinkServer Diagnostics Standalone, ToolsCenter Suite CLI inventory module on ThinkServ-er, Lenovo xClarity Administrator |  |                                |                                |
| Security features           | Power-on and administrator password. Optional TPM, TCG 1.2 or 2.0 compliant.   |  |                                |                                |
| Operating systems           | Microsoft Windows Server 2016/2012 R2. Red Hat Enterprise Linux 6.8/7.3(6.8 cannot support Kaby Lake processors). SUSE Linux Enterprise Server 12 SP2/11 SP4. VMware vSphere (ESXi) 6.0U2/6.5  |  |                                |                                |
| Base warranty               | 1 or 3-year limited onsite service with 9x5/NBD.   |  |                                |                                |
| Power supply                | Supports one of the following, depending on models:<br>• One fixed 300 watts, universal, 80 PLUS Bronze qualified.<br>• Up to two redundant 450 watts, two maximum, rear access, hot-swap, 80 PLUS Gold qualified, universal, redundant with two power supplies  |  |                                |                                |
| Graphics                    | Integrated in onboard Aspeed AST2400 graphics/management processor. Optional NVIDIA Quadro K420  |  |                                |                                |
| Front ports                 | Two USB 3.0 (blue)   |  |                                |                                |
| Rear ports                  | One VGA, four USB 3.0, one RJ-45 (dedicated mgmt), two ethernet, one serial (9-pin). Add-on parallel or serial ports via optional PCIe adapters  |  |                                |                                |
| Noise emissions             | Operating: < 43.6 dB(A). Idle: < 33 dB(A) (Maximum configuration)  |  |                                |                                |
| Environmental specification | All models supports ASHARE B.<br>Models with the following configuration supports ASHARE A3:<br>Xeon E3-1230 v5/8GBx2/DVD±RW/1TB SATAx4/RAID520i/450Wx2/TPM  |  |                                |                                |
|                             | ASHRAE A2  |  |                                |                                |
|                             | ASHRAE A3  |  |                                |                                |
|                             | ASHRAE B   |  |                                |                                |
|                             | Temperature - operating  | 10°C to 35°C (50°F to 95°F)  | 5°C to 40°C (41°F to 104°F)    | 5°C to 35°C (41°F to 95°F)     |
|                             | Temperature - storage (with package)   | -40°C to 60°C (-40°F to 140°F)   | -40°C to 60°C (-40°F to 140°F) | -40°C to 60°C (-40°F to 140°F) |
|                             | Altitude - operating   | 20% to 80% (non-condensing)  | 8% to 85% (non-condensing)     | 8% to 80% (non-condensing)     |
|                             | Humidity - storage (with package)  | 10% to 90% (non-condensing)  | 10% to 90% (non-condensing)    | 10% to 90% (non-condensing)    |
|                             | Altitude - operating   | 0 m to 3048 m (0 ft to 10 000 ft) in an unpressurized environment                              |                                |                                |
|                             |  | GREENGUARD certified, RoHS-compliant, Energy Star Server 2.1 qualified on redundant PSU models |                                |                                |



| Model      | Region | Processor                                   | Memory                    | Storage Controller | Disk Bays  | Disks | Optical | Add-on NIC | Add-on Ports | System Management | Operating System | Warranty | Power Supply      | Ann Date (mm/yy) |
|------------|--------|---|---------------------------|--------------------|------------|-------|---------|------------|--------------|-------------------|------------------|----------|-------------------|------------------|
| 70TR000LUX | US     | Xeon E3-1220 v5 4C/3.0GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID121i           | 4x3.5" HS  | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 02/17            |
| 70TR000MUX | US     | Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID121i           | 4x3.5" HS  | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 02/17            |
| 70TR000NUX | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID121i           | 4x3.5" HS  | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 02/17            |
| 70TR000PUX | US     | Xeon E3-1270 v5 4C/3.6GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID121i           | 4x3.5" HS  | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 02/17            |
| 70TR000QUX | US     | Xeon E3-1220 v5 4C/3.0GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID520i           | 8x2.5" HS  | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 02/17            |
| 70TR000RUX | US     | Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID520i           | 8x2.5" HS  | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 02/17            |
| 70TR000SUX | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID520i           | 8x2.5" HS  | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 02/17            |
| 70TR000TUX | US     | Xeon E3-1270 v5 4C/3.6GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID520i           | 8x2.5" HS  | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 02/17            |
| 70TR000UUX | US     | Xeon E3-1220 v5 4C/3.0GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID121i           | 4x3.5" NHS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 02/17            |
| 70TR000VUX | US     | Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID121i           | 4x3.5" NHS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 02/17            |
| 70TR000WUX | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID121i           | 4x3.5" NHS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 02/17            |
| 70TR000XUX | US     | Xeon E3-1270 v5 4C/3.6GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID121i           | 4x3.5" NHS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 02/17            |
| 70TR000YUX | US     | Pentium G4400 2C/3.3GHz/3MB/54W/DDR4-2133   | 1x8GB UDIMM DDR4-2133 ECC | RAID121i           | 4x3.5" NHS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 02/17            |
| 70TR0016UX | US     | Xeon E3-1220 v6 4C/3.0GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 4x3.5" HS  | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 06/17            |
| 70TR0017UX | US     | Xeon E3-1230 v6 4C/3.5GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 4x3.5" HS  | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 06/17            |
| 70TR0018UX | US     | Xeon E3-1240 v6 4C/3.7GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 4x3.5" HS  | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 06/17            |
| 70TR0019UX | US     | Xeon E3-1270 v6 4C/3.8GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 4x3.5" HS  | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 06/17            |

| Model      | Region | Processor                                   | Memory                    | Storage Controller | Disk Bays | Disks | Optical | Add-on NIC | Add-on Ports | System Management | Operating System | Warranty | Power Supply      | Ann Date (mm/yy) |
|------------|--------|---|---------------------------|--------------------|-----------|-------|---------|------------|--------------|-------------------|------------------|----------|-------------------|------------------|
| 70TR001AUX | US     | Xeon E3-1220 v6 4C/3.0GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID520i           | 8x2.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 06/17            |
| 70TR001BUX | US     | Xeon E3-1230 v6 4C/3.5GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID520i           | 8x2.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 06/17            |
| 70TR001CUX | US     | Xeon E3-1240 v6 4C/3.7GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID520i           | 8x2.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 06/17            |
| 70TR001DUX | US     | Xeon E3-1270 v6 4C/3.8GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID520i           | 8x2.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | Fixed 300W Bronze | 06/17            |

| Model      | Region | Processor                                   | Memory                    | Storage Controller | Disk Bays | Disks | Optical | Add-on NIC | Add-on Ports | System Management | Operating System | Warranty | Power Supply | Ann Date (mm/yy) |
|------------|--------|---|---------------------------|--------------------|-----------|-------|---------|------------|--------------|-------------------|------------------|----------|--------------|------------------|
| 70TT000JUX | US     | Xeon E3-1220 v5 4C/3.0GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID121i           | 4x3.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 02/17            |
| 70TT000KUX | US     | Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID121i           | 4x3.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 02/17            |
| 70TT000LUX | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID121i           | 4x3.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 02/17            |
| 70TT000MUX | US     | Xeon E3-1270 v5 4C/3.6GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID121i           | 4x3.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 02/17            |
| 70TT000NUX | US     | Xeon E3-1220 v5 4C/3.0GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID520i           | 8x2.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 02/17            |
| 70TT000PUX | US     | Xeon E3-1230 v5 4C/3.4GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID520i           | 8x2.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 02/17            |
| 70TT000QUX | US     | Xeon E3-1240 v5 4C/3.5GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID520i           | 8x2.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 02/17            |
| 70TT000RUX | US     | Xeon E3-1270 v5 4C/3.6GHz/8MB/80W/DDR4-2133 | 1x8GB UDIMM DDR4-2133 ECC | RAID520i           | 8x2.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 02/17            |
| 70TT001YUX | US     | Xeon E3-1220 v6 4C/3.0GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 4x3.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 06/17            |
| 70TT0020UX | US     | Xeon E3-1230 v6 4C/3.5GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 4x3.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 06/17            |
| 70TT0021UX | US     | Xeon E3-1240 v6 4C/3.7GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 4x3.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 06/17            |
| 70TT0022UX | US     | Xeon E3-1270 v6 4C/3.8GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID121i           | 4x3.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 06/17            |
| 70TT0023UX | US     | Xeon E3-1220 v6 4C/3.0GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID520i           | 8x2.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 06/17            |
| 70TT0024UX | US     | Xeon E3-1230 v6 4C/3.5GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID520i           | 8x2.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 06/17            |
| 70TT0025UX | US     | Xeon E3-1240 v6 4C/3.7GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID520i           | 8x2.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 06/17            |
| 70TT0026UX | US     | Xeon E3-1270 v6 4C/3.8GHz/8MB/72W/DDR4-2400 | 1x8GB UDIMM DDR4-2400 ECC | RAID520i           | 8x2.5" HS | Open  | Open    | None       | None         | TPM 2.0           | None             | 1-year   | 1x450W Gold  | 06/17            |

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**Included software:** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

**Battery life:** Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

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**Lenovo**™ **ThinkSystem**

# PSREF



**Product Specifications Reference**

Version 509, July 2017

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# Summary of Changes

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This section describes the changes made in this version of ThinkSystem PSREF and in previous version  
This edition might also include minor corrections and editorial changes which are not identified

## **June 21, 2017 - Version 509**

### Additions in this update

- ▶ Initial version, includes ThinkSystem rack servers SR650/SR630/SR550/SR530, tower server ST550, and mission-critical servers SR850 and SR950.

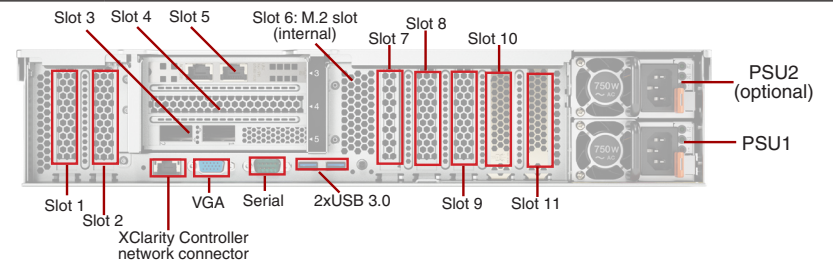


# ThinkSystem SR850 Platform Specifications

Product Specifications Reference (PSREF)

| Components                  | Specification   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|-----------------------------|---|------------|------------|------------------|-------------|-------|------------------|------------------|----------|---------|--------|------------|----------|-------------|-----|------|------|-----|---|--------|------------|----------|-------------|-----|-----|------|----|---|--------|------------|----------|------------------|-----|-----|--------------|-----|---|---------|------------|----------|------------------|-----|-----|--------------|-----|---|--------|------------|----------|---|-----|------|------|---|---|---------|------------|----------|---|-----|------|------|---|---|--------|------------|----------|------------------|-----|-----|--------------|-----|---|--------|------------|----------|---|-----|------|------|---|---|---------|------------|----------|---|-----|------|------|---|---|
| Form factor                 | 2U rack   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Dimensions                  | Height: 86.5 mm (3.4 in). Width: 482 mm (19.0 in) with rack latches. Depth: 763.7 mm (30.1 in) without security bezel   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Weight                      | Maximum configuration: 59.52 lb (27 kg)   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Processor                   | Supports up to four 165W Intel Xeon Scalable family processors, Gold or Platinum. 2 processor sockets on system board, 2 processor sockets on optional processor and memory expansion tray. Up to 28 cores at 2.1GHz, up to 3.6GHz with 4 cores. Four processors are connected in ring topology with two 10.4GT/s UPI (Ultra Path Interconnect)   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Chipset                     | Intel C624 Platform Controller Hub  |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Memory                      | Up to 48 DIMM sockets. 24 DIMM sockets on system main board, 24 DIMM sockets on optional processor and memory expansion tray. Each processor supports up to 12 DIMM sockets with 6 channels. DDR4-2666. RDIMMs, LRDIMMs, 3DS RDIMMs are supported, but memory types cannot be intermixed. 3DS RDIMM is planned to available later   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Memory capacity             | Up to 1.5TB with 48 x 32GB RDIMMs and four processors. Or up to 3TB with 48 x 64GB LRDIMMs and four processors. Or up to 6TB with 48 x 128GB 3DS RDIMMs and four -M suffix processors. -M suffix processor supports 1.5TB memory per socket, non -M suffix processor supports 768GB memory per socket   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Memory protection           | ECC, memory mirroring, and memory sparing   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Storage controllers         | Supports the following RAID/HBA adapters:   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|                             | <table border="1"> <thead> <tr> <th>Feature</th> <th>Interface</th> <th>Drive type</th> <th>RAID levels</th> <th>JBOD</th> <th>Cache</th> <th>Cache protection</th> <th>FastPath</th> <th>Max qty</th> </tr> </thead> <tbody> <tr> <td>530-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50</td> <td>Yes</td> <td>None</td> <td>None</td> <td>Yes</td> <td>2</td> </tr> <tr> <td>730-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50</td> <td>Yes</td> <td>1GB</td> <td>None</td> <td>No</td> <td>2</td> </tr> <tr> <td>930-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50/6/60</td> <td>Yes</td> <td>2GB</td> <td>Flash backup</td> <td>Yes</td> <td>2</td> </tr> <tr> <td>930-16i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50/6/60</td> <td>Yes</td> <td>4GB</td> <td>Flash backup</td> <td>Yes</td> <td>1</td> </tr> <tr> <td>430-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>2</td> </tr> <tr> <td>430-16i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>1</td> </tr> <tr> <td>930-8e</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50/6/60</td> <td>Yes</td> <td>4GB</td> <td>Flash backup</td> <td>Yes</td> <td>4</td> </tr> <tr> <td>430-8e</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>8</td> </tr> <tr> <td>430-16e</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>8</td> </tr> </tbody> </table> | Feature    | Interface  | Drive type       | RAID levels | JBOD  | Cache            | Cache protection | FastPath | Max qty | 530-8i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50 | Yes | None | None | Yes | 2 | 730-8i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50 | Yes | 1GB | None | No | 2 | 930-8i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50/6/60 | Yes | 2GB | Flash backup | Yes | 2 | 930-16i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50/6/60 | Yes | 4GB | Flash backup | Yes | 1 | 430-8i | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 2 | 430-16i | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 1 | 930-8e | 12Gbps SAS | SATA/SAS | 0/1/10/5/50/6/60 | Yes | 4GB | Flash backup | Yes | 4 | 430-8e | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 8 | 430-16e | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 8 |
|                             | Feature   | Interface  | Drive type | RAID levels      | JBOD        | Cache | Cache protection | FastPath         | Max qty  |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|                             | 530-8i  | 12Gbps SAS | SATA/SAS   | 0/1/10/5/50      | Yes         | None  | None             | Yes              | 2        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|                             | 730-8i  | 12Gbps SAS | SATA/SAS   | 0/1/10/5/50      | Yes         | 1GB   | None             | No               | 2        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|                             | 930-8i  | 12Gbps SAS | SATA/SAS   | 0/1/10/5/50/6/60 | Yes         | 2GB   | Flash backup     | Yes              | 2        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|                             | 930-16i   | 12Gbps SAS | SATA/SAS   | 0/1/10/5/50/6/60 | Yes         | 4GB   | Flash backup     | Yes              | 1        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|                             | 430-8i  | 12Gbps SAS | SATA/SAS   | -                | Yes         | None  | None             | -                | 2        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|                             | 430-16i   | 12Gbps SAS | SATA/SAS   | -                | Yes         | None  | None             | -                | 1        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|                             | 930-8e  | 12Gbps SAS | SATA/SAS   | 0/1/10/5/50/6/60 | Yes         | 4GB   | Flash backup     | Yes              | 4        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| 430-8e                      | 12Gbps SAS  | SATA/SAS   | -          | Yes              | None        | None  | -                | 8                |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| 430-16e                     | 12Gbps SAS  | SATA/SAS   | -          | Yes              | None        | None  | -                | 8                |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|                             | <i>Note: 730-8i is available in China only</i>  |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Disk drive bays             | Supports 8 front 2.5" SATA/SAS HS bays with maximum 4 AnyBay, or 16 front 2.5" SATA/SAS HS bays with maximum 8 AnyBay<br>Optional one or two internal M.2 SSD for boot, dual M.2 SSD supports mirroring   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Internal storage            | 2.5" HDD, SAS12Gbps, 7.2K   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|                             | 2.5" HDD, SAS12Gbps, 10K  |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|                             | 2.5" HDD, SAS12Gbps, 15K  |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|                             | 2.5" SSD, SAS12Gbps   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|                             | 2.5" SSD, SATA6Gbps   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|                             | 2.5" NVMe SSD, AnyBay   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|                             | NVMe SSD, PCIe 3.0 x4, HHL adapter  |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| M.2 SATA SSD for boot       |   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Optical                     | No internal optical bay. Optional USB DVD±RW optical drive  |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Network interfaces          | One dedicated management port. One LOM slot for customized LOM with up to four RJ-45 or SFP+ ports, up to 10GbE. Wake-on-LAN and NC-SI are available on one port of LOM. Optional ML2 or PCIe adapters are supported. ML2 adapter requires riser card with ML2 slot.  |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Security features           | Power-on and admin password. Trusted Platform Module, TCG 1.2 compliant, upgrade to 2.0 via UEFI setting. Optional TCM in China only. Optional lockable security bezel  |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Operating systems supported | Microsoft Windows Server 2016/2012 R2. Red Hat Enterprise Linux 7.3/6.9. SUSE Linux Enterprise Server 12 SP2/11 SP4. VMware vSphere (ESXi) 6.5/6.0 U3   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Systems management          | XClarity Controller Advanced, optional upgrades to Enterprise is available. Energy Manager. XClarity Administrator. Lenovo Capacity Planner. Light Path Diagnostics with optional LCD diagnostic pull-out panel   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| GPU support                 | None  |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Base warranty               | MT 7X18: 1-year limited onsite service with 9x5/NBD<br>MT 7X19: 3-year limited onsite service with 9x5/NBD  |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Power supply                | Up to two redundant hot-swap 750W/100W/1600W 80 PLUS Platinum qualified AC power supplies. 1600W Platinum are 200V - 240V, others are 100V - 240V   |            |            |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |

| Components  | Specification   |   |
|---|---|---|
| Video   | Integrated Matrox G200 in XClarity Controller   |   |
| Cooling   | Six hot-swap fans, N + 1 redundancy   |   |
| Front ports                                       | One XClarity Controller USB connector, one USB 2.0 or USB 3.0 (model dependent), one optional VGA   |   |
| Rear ports  | One VGA, two USB 3.0, one serial, one XClarity Controller network connector   |   |
| Environmental specification                       | Supports ASHRAE A4 with limitations.  |   |
|   | Temperature - operating   | A4: 5°C to 45°C (41°F to 113°F)<br>A3: 5°C to 40°C (41°F to 104°F)<br>A2: 10°C to 35°C (50°F to 95°F) |
|   | Temperature - non operating (no package)  | -10°C to 60°C (14°F to 140°F)   |
|   | Temperature - non operating (with package)  | -40°C to 70°C (-40°F to 158°F)  |
|   | Altitude - operating  | (Unpressurized): 0-10000ft (0-3048m)  |
|   | Humidity - operating, non-condensing  | A4: 8%-90%. A3:8%-85%. A2:20%~80%   |
| Humidity - storage (with package), non-condensing | 8%~90%  |   |
|   | <i>Models should meet the following requirements to support A3 and A4:</i>  |   |
|   | <ul style="list-style-type: none"> <li>• NVMe drives not installed</li> <li>• PCIe flash adapter not installed</li> <li>• M.2 SSD not installed</li> </ul>  |   |
| Environmental certification                       | Energy Star Server 2.1 certified. More environmental information please see: <a href="http://www.lenovo.com/social_responsibility/us/en/environment/">www.lenovo.com/social_responsibility/us/en/environment/</a> |   |



*Note: All riser cards, expansion cards, and LOM adapters are optional. Slots are labelled as 1, 2, 3, 4, 5, 7, 8, 9, 10, 11. Slot 6 is internal M.2 slot for optional M.2 enablement kit*

## Expansion slots

|                       |   |
|-----------------------|---|
| Slot 1 (onboard)      | PCIe 3.0 x16, low profile, requires 2nd CPU   |
| Slot 2 (onboard)      | PCIe 3.0 x8, low profile, requires 2nd CPU  |
| Slot 3-5 (riser card) | Supports one of the following for riser card:<br>Option 1: PCIe 3.0 x8/x8/x8 (slot 3-5). Full height, half length.<br>Option 2: PCIe 3.0 x8/x8/x8 ML2 (slot 3-5). Full height, half length<br>Option 4: PCIe 3.0 x8/x16 ML2 (slot 3 and 5). Full height, half length<br>Slot 3 - 5 requires 2nd CPU |
| Slot 7 (onboard)      | LOM, low profile  |
| Slot 8 (onboard)      | PCIe 3.0 x8, low profile  |
| Slot 9 (onboard)      | PCIe 3.0 x8, low profile  |
| Slot 10 (onboard)     | PCIe 3.0 x8, low profile  |
| Slot 11 (onboard)     | PCIe 3.0 x16, low profile   |

## System unique options for ThinkSystem SR850

|            |   |
|------------|---|
| 7B27A03953 | ThinkSystem SR850/SR860 Processor and Memory Expansion Tray |
| 7C57A03999 | ThinkSystem SR850/SR860 2.5" Anybay 8-Bay BP Kit            |
| 7C57A03998 | ThinkSystem SR850/SR860 2.5" SATA/SAS 8-Bay BP Kit          |
| 7X97A03954 | ThinkSystem SR850 Front VGA Connector Upgrade Kit           |
| 7C57A03950 | ThinkSystem SR850/SR860 x8/x8/x8 PCIe FH Riser Kit          |
| 7C57A03951 | ThinkSystem SR850/SR860 x8/x8/x8ML2 PCIe FH Riser Kit       |
| 7C57A03952 | ThinkSystem SR850/SR860 x8/x16ML2 PCIe FH Riser Kit         |

| Model      | Region | Processor   | Memory                       | Storage Controller    | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots   | Front VGA | Front Panel     | Front USB | Security | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|-----------------------|--------------------------|-------|------------|---------------------------|------------------------|-----------|-----------------|-----------|----------|----------------------|---------------------|---------------|------------------|
| 7X19A003AU | ANZ    | 2xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400      | 2x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Basic           | USB 2.0   | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X19A009AU | ANZ    | 2xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400      | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Basic           | USB 2.0   | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X19A00DAU | ANZ    | 2xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666      | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A00MAU | ANZ    | 2xXeon Platinum 8176<br>28C/2.1GHz/38.5MB/165W/DDR4-2666  | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A00NAU | ANZ    | 2xXeon Gold 6142<br>16C/2.6GHz/22MB/150W/DDR4-2666        | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A00PAU | ANZ    | 2xXeon Platinum 8170<br>26C/2.1GHz/35.75MB/165W/DDR4-2666 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A010AU | ANZ    | 2xXeon Gold 6136<br>12C/3.0GHz/24.75MB/150W/DDR4-2666     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A01AAU | ANZ    | 2xXeon Platinum 8153<br>16C/2.0GHz/22MB/125W/DDR4-2666    | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A01DAU | ANZ    | 2xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666    | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A01GAU | ANZ    | 2xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X19A01MAU | ANZ    | 2xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A01VAU | ANZ    | 2xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666      | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A01ZAU | ANZ    | 2xXeon Platinum 8164<br>26C/2.0GHz/35.75MB/150W/DDR4-2666 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A025AU | ANZ    | 2xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400      | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Basic           | USB 2.0   | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X19A029AU | ANZ    | 2xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400      | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Basic           | USB 2.0   | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                       | Storage Controller    | Disk Bays | Disks          | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA              | Front Panel | Front USB       | Security   | System Management | Power Supply         | Base Warranty       | Ann Date (mm/yy) |       |
|------------|--------|---|------------------------------|-----------------------|-----------|----------------|------------|---------------------------|----------------------|------------------------|-------------|-----------------|------------|-------------------|----------------------|---------------------|------------------|-------|
| 7X19A02CAU | ANZ    | 2xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"    | SATA/SAS<br>HS | Open       | None                      | 4xGbE RJ-45 LOM      | 2xLP<br>x16/4xLP<br>x8 | None        | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2           | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year           | 07/17 |

ThinkSystem SR850 - Non TopSeller - ASEAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor   | Memory                       | Storage Controller | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots                | Front VGA    | Front Panel     | Front USB  | Security | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|--------------------|--------------------------|-------|------------|---------------------------|-------------------------------------|--------------|-----------------|------------|----------|----------------------|---------------------|---------------|------------------|
| 7X19A02BSG | ASEAN  | 2xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A01JSG | ASEAN  | 2xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666  | 2x32GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A01BSG | ASEAN  | 2xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666 | 2x32GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A017SG | ASEAN  | 2xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666  | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A00QSG | ASEAN  | 2xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A00VSG | ASEAN  | 2xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666 | 2x32GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A00XSG | ASEAN  | 2xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 2x32GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A012SG | ASEAN  | 2xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A00GSG | ASEAN  | 2xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                       | Storage Controller    | Disk Bays                              | Disks | M.2 Drives | Networking (LOM/ML2/PCle) | Available PCIe Slots                | Front VGA    | Front Panel     | Front USB  | Security | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|-----------------------|--|-------|------------|---------------------------|-------------------------------------|--------------|-----------------|------------|----------|----------------------|---------------------|---------------|------------------|
| 7X19A02GEA | EMEA   | 4xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400      | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A02HEA | EMEA   | 4xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400      | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A02JEA | EMEA   | 4xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400     | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A02KEA | EMEA   | 4xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666     | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A02LEA | EMEA   | 4xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666        | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A02MEA | EMEA   | 4xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666      | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A02NEA | EMEA   | 4xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666      | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A02PEA | EMEA   | 4xXeon Gold 6150<br>18C/2.7GHz/24.75MB/165W/DDR4-2666     | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A02QEA | EMEA   | 4xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666     | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A02REA | EMEA   | 4xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666    | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A02SEA | EMEA   | 4xXeon Platinum 8164<br>26C/2.0GHz/35.75MB/150W/DDR4-2666 | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A02TEA | EMEA   | 4xXeon Platinum 8170<br>26C/2.1GHz/35.75MB/165W/DDR4-2666 | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A02UEA | EMEA   | 4xXeon Platinum 8176<br>28C/2.1GHz/38.5MB/165W/DDR4-2666  | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 2x1600W<br>Platinum | 3-year        | 07/17            |



| Model      | Region | Processor   | Memory                       | Storage Controller     | Disk Bays                 | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots                | Front VGA | Front Panel | Front USB  | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|------------------------|---------------------------|-------|------------|---------------------------|-------------------------------------|-----------|-------------|------------|----------|----------------------|--------------------|---------------|------------------|
| 7X19A02DCN | HTK    | 2xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666      | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X19A00ECN | HTK    | 2xXeon Platinum 8176<br>28C/2.1GHz/38.5MB/165W/DDR4-2666  | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X19A00FCN | HTK    | 2xXeon Platinum 8170<br>26C/2.1GHz/35.75MB/165W/DDR4-2666 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X19A00BCN | HTK    | 2xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X19A00CCN | HTK    | 2xXeon Platinum 8164<br>26C/2.0GHz/35.75MB/150W/DDR4-2666 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X19A007CN | HTK    | 2xXeon Platinum 8153<br>16C/2.0GHz/22MB/125W/DDR4-2666    | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X19A004CN | HTK    | 2xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666    | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X19A00ZCN | HTK    | 2xXeon Gold 6142<br>16C/2.6GHz/22MB/150W/DDR4-2666        | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X19A00RCN | HTK    | 2xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X19A011CN | HTK    | 2xXeon Gold 6150<br>18C/2.7GHz/24.75MB/165W/DDR4-2666     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X19A01PCN | HTK    | 2xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400       | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X19A02ACN | HTK    | 2xXeon Gold 6136<br>12C/3.0GHz/24.75MB/150W/DDR4-2666     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X19A024CN | HTK    | 2xXeon Platinum 8156<br>4C/3.6GHz/16.5MB/105W/DDR4-2666   | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X19A026CN | HTK    | 2xXeon Platinum 8158<br>12C/3.0GHz/24.75MB/150W/DDR4-2666 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X19A027CN | HTK    | 2xXeon Gold 5120T<br>14C/2.2GHz/19.25MB/105W/DDR4-2400    | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                       | Storage Controller     | Disk Bays                 | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots                | Front VGA | Front Panel | Front USB | Security | System Management | Power Supply    | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|------------------------|---------------------------|-------|------------|---------------------------|-------------------------------------|-----------|-------------|-----------|----------|-------------------|-----------------|---------------|------------------|
| 7X19A021CN | HTK    | 2xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 2x16GB<br>RDIMM<br>DDR4-2666 | 2x930-8i<br>2GB flash  | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP x8                 | None      | Basic       | USB 2.0   | TPM 1.2  | XClarity Advanced | 1x750W Platinum | 3-year        | 07/17            |
| 7X19A022CN | HTK    | 2xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB 3.0   | TPM 1.2  | XClarity Advanced | 1x750W Platinum | 3-year        | 07/17            |
| 7X19A01WCN | HTK    | 2xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB 3.0   | TPM 1.2  | XClarity Advanced | 1x750W Platinum | 3-year        | 07/17            |
| 7X19A01RCN | HTK    | 2xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB 3.0   | TPM 1.2  | XClarity Advanced | 1x750W Platinum | 3-year        | 07/17            |
| 7X19A01TCN | HTK    | 2xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | None      | Basic       | USB 3.0   | TPM 1.2  | XClarity Advanced | 1x750W Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots   | Front VGA    | Front Panel     | Front USB | Security | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|--------------------------|-------|------------|---------------------------|------------------------|--------------|-----------------|-----------|----------|----------------------|---------------------|---------------|------------------|
| 7X19A023SG | INDIA  | 2xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 2x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None         | Basic           | USB 2.0   | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X19A020SG | INDIA  | 2xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | Front<br>VGA | Basic           | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X19A028SG | INDIA  | 2xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None         | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A016SG | INDIA  | 2xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None         | Basic           | USB 2.0   | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X19A01QSG | INDIA  | 2xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666   | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None         | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A01NSG | INDIA  | 2xXeon Gold 6136<br>12C/3.0GHz/24.75MB/150W/DDR4-2666  | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None         | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A01KSG | INDIA  | 2xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None         | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X19A01HSG | INDIA  | 2xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666  | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None         | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A01ESG | INDIA  | 2xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None         | Basic           | USB 2.0   | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X19A01FSG | INDIA  | 2xXeon Gold 6142<br>16C/2.6GHz/22MB/150W/DDR4-2666     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None         | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A002SG | INDIA  | 2xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None         | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A013SG | INDIA  | 2xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None         | Basic           | USB 2.0   | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X19A005SG | INDIA  | 2xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | Front<br>VGA | Basic           | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X19A006SG | INDIA  | 2xXeon Platinum 8153<br>16C/2.0GHz/22MB/125W/DDR4-2666 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None         | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A00ASG | INDIA  | 2xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666  | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None         | Pull-out<br>LCD | USB 3.0   | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                       | Storage Controller    | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots   | Front VGA | Front Panel     | Front USB  | Security | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|-----------------------|--------------------------|-------|------------|---------------------------|------------------------|-----------|-----------------|------------|----------|----------------------|---------------------|---------------|------------------|
| 7X19A00HSG | INDIA  | 2xXeon Platinum 8176<br>28C/2.1GHz/38.5MB/165W/DDR4-2666  | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A00KSG | INDIA  | 2xXeon Platinum 8170<br>26C/2.1GHz/35.75MB/165W/DDR4-2666 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A00LSG | INDIA  | 2xXeon Platinum 8164<br>26C/2.0GHz/35.75MB/150W/DDR4-2666 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/4xLP<br>x8 | None      | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |

# ThinkSystem SR850 - Non TopSeller - JAPAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                       | Storage Controller    | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots                | Front VGA    | Front Panel     | Front USB  | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|--------------------------|-------|------------|---------------------------|-------------------------------------|--------------|-----------------|------------|----------|------------------------|---------------------|---------------|------------------|
| 7X19A01UJP | JAPAN  | 2xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>2.0 | TPM 1.2  | XClarity<br>Advanced   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A02EJP | JAPAN  | 2xXeon Platinum 8176<br>28C/2.1GHz/38.5MB/165W/DDR4-2666 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4x10GbE SFP+<br>LOM       | 2xLP<br>x16/4xLP x8                 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Enterprise | 1x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A02FJP | JAPAN  | 2xXeon Gold 6150<br>18C/2.7GHz/24.75MB/165W/DDR4-2666    | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 4x10GbE SFP+<br>LOM       | 2xLP<br>x16/4xLP x8                 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Enterprise | 1x1600W<br>Platinum | 3-year        | 07/17            |

ThinkSystem SR850 - Non TopSeller - LA

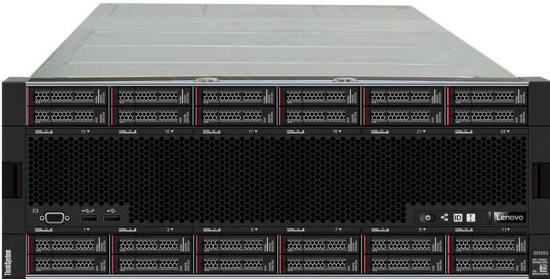
Product Specifications Reference (PSREF)

| Model      | Region | Processor   | Memory                        | Storage Controller                       | Disk Bays                                   | Disks | M.2 Drives | Networking (LOM/ML2/PCIe)                  | Available PCIe Slots                | Front VGA    | Front Panel     | Front USB  | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|-------------------------------|--|---|-------|------------|--|-------------------------------------|--------------|-----------------|------------|----------|------------------------|---------------------|---------------|------------------|
| 7X19A032LA | LA     | 2xXeon Platinum 8153<br>16C/2.0GHz/22MB/125W/DDR4-2666    | 12x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB flash                       | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None                                       | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A033LA | LA     | 2xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666      | 12x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB flash                       | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None                                       | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A037LA | LA     | 2xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666     | 12x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB flash                       | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None                                       | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A03ALA | LA     | 2xXeon Platinum 8176<br>28C/2.1GHz/38.5MB/165W/DDR4-2666  | 12x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB flash                       | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None                                       | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A03BLA | LA     | 2xXeon Platinum 8170<br>26C/2.1GHz/35.75MB/165W/DDR4-2666 | 12x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB flash                       | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None                                       | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A03CLA | LA     | 2xXeon Platinum 8164<br>26C/2.0GHz/35.75MB/150W/DDR4-2666 | 12x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB flash                       | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None                                       | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A03ELA | LA     | 2xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666    | 12x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB flash                       | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None                                       | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A03FLA | LA     | 4xXeon Platinum 8170<br>26C/2.1GHz/35.75MB/165W/DDR4-2666 | 16x32GB<br>RDIMM<br>DDR4-2666 | 2xFC dual-<br>port1x930-16i 4GB<br>flash | 16x2.5" HS<br>(12<br>SATA/SAS,<br>4 AnyBay) | Open  | None       | 4xGbE RJ-45<br>LOM/2x 2x10GbE<br>SFP+ PCIe | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced   | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A03GLA | LA     | 4xXeon Platinum 8176<br>28C/2.1GHz/38.5MB/165W/DDR4-2666  | 16x32GB<br>RDIMM<br>DDR4-2666 | 2xFC dual-<br>port1x930-16i 4GB<br>flash | 16x2.5" HS<br>(12<br>SATA/SAS,<br>4 AnyBay) | Open  | None       | 4xGbE RJ-45<br>LOM/2x 2x10GbE<br>SFP+ PCIe | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced   | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A03HLA | LA     | 4xXeon Platinum 8170<br>26C/2.1GHz/35.75MB/165W/DDR4-2666 | 32x16GB<br>RDIMM<br>DDR4-2666 | 2xFC dual-<br>port1x930-16i 4GB<br>flash | 16x2.5" HS<br>(12<br>SATA/SAS,<br>4 AnyBay) | Open  | None       | 4xGbE RJ-45<br>LOM/2x 2x10GbE<br>SFP+ PCIe | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced   | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A03JLA | LA     | 4xXeon Platinum 8176<br>28C/2.1GHz/38.5MB/165W/DDR4-2666  | 32x16GB<br>RDIMM<br>DDR4-2666 | 2xFC dual-<br>port1x930-16i 4GB<br>flash | 16x2.5" HS<br>(12<br>SATA/SAS,<br>4 AnyBay) | Open  | None       | 4xGbE RJ-45<br>LOM/2x 2x10GbE<br>SFP+ PCIe | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>3.0 | TPM 1.2  | XClarity<br>Advanced   | 2x1600W<br>Platinum | 3-year        | 07/17            |

ThinkSystem SR850 - Non TopSeller - NA

Product Specifications Reference (PSREF)

| Model      | Region | Processor   | Memory                    | Storage Controller    | Disk Bays                              | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots                | Front VGA    | Front Panel     | Front USB  | Security | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|---------------------------|-----------------------|--|-------|------------|---------------------------|-------------------------------------|--------------|-----------------|------------|----------|----------------------|---------------------|---------------|------------------|
| 7X19A01YNA | NA     | 4xXeon Platinum 8164<br>26C/2.0GHz/35.75MB/150W/DDR4-2666 | 4x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>2.0 | TPM 1.2  | XClarity<br>Advanced | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A01CNA | NA     | 4xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666     | 4x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>2.0 | TPM 1.2  | XClarity<br>Advanced | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A018NA | NA     | 4xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400      | 4x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>2.0 | TPM 1.2  | XClarity<br>Advanced | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A019NA | NA     | 4xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400     | 4x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>2.0 | TPM 1.2  | XClarity<br>Advanced | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A01LNA | NA     | 4xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666    | 4x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>2.0 | TPM 1.2  | XClarity<br>Advanced | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A00JNA | NA     | 4xXeon Platinum 8170<br>26C/2.1GHz/35.75MB/165W/DDR4-2666 | 4x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>2.0 | TPM 1.2  | XClarity<br>Advanced | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A008NA | NA     | 4xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400      | 4x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>2.0 | TPM 1.2  | XClarity<br>Advanced | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A014NA | NA     | 4xXeon Gold 6150<br>18C/2.7GHz/24.75MB/165W/DDR4-2666     | 4x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>2.0 | TPM 1.2  | XClarity<br>Advanced | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A015NA | NA     | 4xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666     | 4x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>2.0 | TPM 1.2  | XClarity<br>Advanced | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A00YNA | NA     | 4xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666      | 4x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>2.0 | TPM 1.2  | XClarity<br>Advanced | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A00SNA | NA     | 4xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666        | 4x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>2.0 | TPM 1.2  | XClarity<br>Advanced | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X19A00TNA | NA     | 4xXeon Platinum 8176<br>28C/2.1GHz/38.5MB/165W/DDR4-2666  | 4x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>2.0 | TPM 1.2  | XClarity<br>Advanced | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X19A00UNA | NA     | 4xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666      | 4x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5" HS (4<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None                      | 2xLP<br>x16/4xLP<br>x8/3xFHHL<br>x8 | Front<br>VGA | Pull-out<br>LCD | USB<br>2.0 | TPM 1.2  | XClarity<br>Advanced | 2x1100W<br>Platinum | 3-year        | 07/17            |



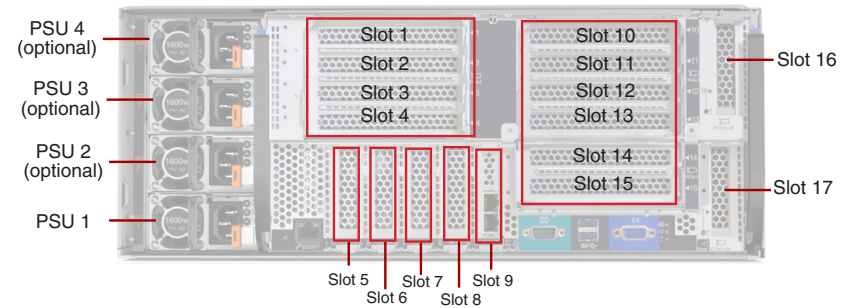


# ThinkSystem SR950 Platform Specifications

Product Specifications Reference (PSREF)

| Components                     | Specification  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
|--------------------------------|--|-----------------------|---------------------------------|---------------------------|-------------|--------------------------|-------------------|--------------------------|-------------------------------|-------------------------------|-------------|---------------------|-------------|---------------------|---------------------------|--------------------------------|---------------------------|--------------|------------|--------|------------|----------|-------------|-----|-----|------|----|---|--------|------------|----------|------------------|-----|-----|--------------|-----|---|---------|------------|----------|------------------|-----|-----|--------------|-----|---|--------|------------|----------|---|-----|------|------|---|---|---------|------------|----------|---|-----|------|------|---|---|--------|------------|----------|------------------|-----|-----|--------------|-----|---|--------|------------|----------|---|-----|------|------|---|----|
| Form factor                    | 4U rack  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Dimensions                     | Height: 175.8 mm (6.9 in). Width: 483 mm (19.0 in) at EIA Flange. Depth: 853 mm (33.6 in)  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Weight                         | Maximum configuration: 129.4 lb (58.7 kg)  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Processor                      | Supports up to four Intel Xeon Scalable family processors, Gold or Platinum. Or up to eight Intel Xeon Scalable family processors, Platinum only. Processors and memory are located on system boards installed in compute trays: 2 processors per system board, 2 system boards per compute tray, up to 2 compute tray per system. Up to 28 cores at 2.5GHz, up to 3.6GHz with 4 cores. Up to three UPI (Ultra Path Interconnect) links at maximum 10.4GT/s each   |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Chipset                        | Intel C624 Platform Controller Hub   |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Memory                         | Up to 96 DIMM sockets. Each processor supports up to 12 DIMM sockets with 6 channels. DDR4-2666. RDIMMs, LRDIMMs, and 3DS RDIMMs are supported, but memory types cannot be intermixed.   |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Memory capacity                | Up to 3TB with 96 x 32GB RDIMMs and eight processors. Or up to 6TB with 96 x 64GB LRDIMMs and eight processors. Or up to 12TB with 96 x 128GB 3DS RDIMMs and eight -M suffix processors. -M suffix processor supports 1.5TB memory per socket, non -M suffix processor supports 768GB memory per socket  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Memory protection              | ECC, memory mirroring, and memory rank sparing.  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Storage controllers            | Up to two dedicated internal RAID slots for most RAID/HBA adapters. Supports the following RAID/HBA adapters: <table border="1"> <thead> <tr> <th>Feature</th> <th>Interface</th> <th>Drive type</th> <th>RAID levels</th> <th>JBOD</th> <th>Cache</th> <th>Cache protection</th> <th>FastPath</th> <th>Max qty</th> </tr> </thead> <tbody> <tr> <td>530-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50</td> <td>Yes</td> <td>None</td> <td>None</td> <td>Yes</td> <td>2</td> </tr> <tr> <td>730-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50</td> <td>Yes</td> <td>1GB</td> <td>None</td> <td>No</td> <td>2</td> </tr> <tr> <td>930-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50/6/60</td> <td>Yes</td> <td>2GB</td> <td>Flash backup</td> <td>Yes</td> <td>2</td> </tr> <tr> <td>930-16i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50/6/60</td> <td>Yes</td> <td>4GB</td> <td>Flash backup</td> <td>Yes</td> <td>2</td> </tr> <tr> <td>430-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>2</td> </tr> <tr> <td>430-16i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>2</td> </tr> <tr> <td>930-8e</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50/6/60</td> <td>Yes</td> <td>4GB</td> <td>Flash backup</td> <td>Yes</td> <td>4</td> </tr> <tr> <td>430-8e</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>14</td> </tr> </tbody> </table> <p>Note: 730-8i is available in China only. 930-8e should be placed in slot 7 firstly. 430-8e should be placed in slot 5 firstly.</p> | Feature               | Interface                       | Drive type                | RAID levels | JBOD                     | Cache             | Cache protection         | FastPath                      | Max qty                       | 530-8i      | 12Gbps SAS          | SATA/SAS    | 0/1/10/5/50         | Yes                       | None                           | None                      | Yes          | 2          | 730-8i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50 | Yes | 1GB | None | No | 2 | 930-8i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50/6/60 | Yes | 2GB | Flash backup | Yes | 2 | 930-16i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50/6/60 | Yes | 4GB | Flash backup | Yes | 2 | 430-8i | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 2 | 430-16i | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 2 | 930-8e | 12Gbps SAS | SATA/SAS | 0/1/10/5/50/6/60 | Yes | 4GB | Flash backup | Yes | 4 | 430-8e | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 14 |
| Feature                        | Interface  | Drive type            | RAID levels                     | JBOD                      | Cache       | Cache protection         | FastPath          | Max qty                  |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| 530-8i                         | 12Gbps SAS   | SATA/SAS              | 0/1/10/5/50                     | Yes                       | None        | None                     | Yes               | 2                        |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| 730-8i                         | 12Gbps SAS   | SATA/SAS              | 0/1/10/5/50                     | Yes                       | 1GB         | None                     | No                | 2                        |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| 930-8i                         | 12Gbps SAS   | SATA/SAS              | 0/1/10/5/50/6/60                | Yes                       | 2GB         | Flash backup             | Yes               | 2                        |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| 930-16i                        | 12Gbps SAS   | SATA/SAS              | 0/1/10/5/50/6/60                | Yes                       | 4GB         | Flash backup             | Yes               | 2                        |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| 430-8i                         | 12Gbps SAS   | SATA/SAS              | -                               | Yes                       | None        | None                     | -                 | 2                        |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| 430-16i                        | 12Gbps SAS   | SATA/SAS              | -                               | Yes                       | None        | None                     | -                 | 2                        |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| 930-8e                         | 12Gbps SAS   | SATA/SAS              | 0/1/10/5/50/6/60                | Yes                       | 4GB         | Flash backup             | Yes               | 4                        |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| 430-8e                         | 12Gbps SAS   | SATA/SAS              | -                               | Yes                       | None        | None                     | -                 | 14                       |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Disk drive bays                | Up to 12 disk bays with maximum 6 AnyBay, or up to 24 disk bays with maximum 12 AnyBay. Optional one or two internal M.2 SSD for boot, dual M.2 SSD supports mirroring   |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Internal storage               | <table border="1"> <tbody> <tr> <td>2.5" NVMe SSD, AnyBay</td> <td>800GB/960GB/1.6TB/1.92TB/3.84TB</td> </tr> <tr> <td>2.5" HDD, SAS12Gbps, 7.2K</td> <td>1TB/2TB</td> </tr> <tr> <td>2.5" HDD, SAS12Gbps, 15K</td> <td>300GB/600GB/900GB</td> </tr> <tr> <td>2.5" HDD, SAS12Gbps, 10K</td> <td>300GB/600GB/900GB/1.2TB/1.8TB</td> </tr> <tr> <td>2.5" HDD, SAS12Gbps, 10K, SED</td> <td>300GB/600GB</td> </tr> <tr> <td>2.5" SSD, SATA6Gbps</td> <td>240GB/480GB</td> </tr> <tr> <td>2.5" SSD, SAS12Gbps</td> <td>400GB/800GB/3.84TB/7.68TB</td> </tr> <tr> <td>NVMe SSD, PCIe x4 HHHL adapter</td> <td>1.6TB/1.92TB/3.2TB/3.84TB</td> </tr> <tr> <td>M.2 SATA SSD</td> <td>32GB/128GB</td> </tr> </tbody> </table>   | 2.5" NVMe SSD, AnyBay | 800GB/960GB/1.6TB/1.92TB/3.84TB | 2.5" HDD, SAS12Gbps, 7.2K | 1TB/2TB     | 2.5" HDD, SAS12Gbps, 15K | 300GB/600GB/900GB | 2.5" HDD, SAS12Gbps, 10K | 300GB/600GB/900GB/1.2TB/1.8TB | 2.5" HDD, SAS12Gbps, 10K, SED | 300GB/600GB | 2.5" SSD, SATA6Gbps | 240GB/480GB | 2.5" SSD, SAS12Gbps | 400GB/800GB/3.84TB/7.68TB | NVMe SSD, PCIe x4 HHHL adapter | 1.6TB/1.92TB/3.2TB/3.84TB | M.2 SATA SSD | 32GB/128GB |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| 2.5" NVMe SSD, AnyBay          | 800GB/960GB/1.6TB/1.92TB/3.84TB  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| 2.5" HDD, SAS12Gbps, 7.2K      | 1TB/2TB  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| 2.5" HDD, SAS12Gbps, 15K       | 300GB/600GB/900GB  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| 2.5" HDD, SAS12Gbps, 10K       | 300GB/600GB/900GB/1.2TB/1.8TB  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| 2.5" HDD, SAS12Gbps, 10K, SED  | 300GB/600GB  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| 2.5" SSD, SATA6Gbps            | 240GB/480GB  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| 2.5" SSD, SAS12Gbps            | 400GB/800GB/3.84TB/7.68TB  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| NVMe SSD, PCIe x4 HHHL adapter | 1.6TB/1.92TB/3.2TB/3.84TB  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| M.2 SATA SSD                   | 32GB/128GB   |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Network interfaces             | One dedicated management port. One LOM slot for customized LOM with up to four RJ-45 or SFP+ ports, up to 10GbE. Wake-on-LAN and NC-SI are available on Port 0 of LOM. Optional ML2 or PCIe adapters are supported. One standard ML2 slot, one optional ML2 slot via optional riser card   |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Security features              | Power-on and admin password. Trusted Platform Module, TCG 1.2 compliant, upgrade to 2.0 via UEFI setting. Optional TCM, China only   |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Operating systems supported    | Microsoft Windows Server 2016/2012 R2. Red Hat Enterprise Linux 7.3/6.9. SUSE Linux Enterprise Server 12 SP2/11 SP4. VMware vSphere (ESXi) 6.5/6.0 U3  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Systems management             | XClarity Controller Enterprise. XClarity Administrator. XClarity Energy Manager. XClarity Provisioning Manager. XClarity Essentials. Lenovo Capacity Planner. Light Path Diagnostics with LCD diagnostic pull-out panel  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| GPU support                    | None   |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Base warranty                  | MT 7X11: 1-year limited onsite service with 9x5/NBD<br>MT 7X12: 3-year limited onsite service with 9x5/NBD<br>MT 7X13: 3-year limited onsite service with 9x5/NBD, SAP HANA optimized  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |
| Power supply                   | Supports one, two or four hot-swap 1100W/1600W 80 PLUS Platinum qualified AC power supplies. Redundant with two or four power supplies (N+N, N = 1 or 2). 1600W Platinum is 200V - 240V, 1100W is 100V - 240V and de-rated to 1050W for operation from 110V input  |                       |                                 |                           |             |                          |                   |                          |                               |                               |             |                     |             |                     |                           |                                |                           |              |            |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |    |

| Components  | Specification  |                         |   |  |                               |  |                                |                      |                                      |                                      |                                   |   |        |
|---|--|-------------------------|---|--|-------------------------------|--|--------------------------------|----------------------|--------------------------------------|--------------------------------------|-----------------------------------|---|--------|
| Video   | Integrated Matrox G200 in XClarity Controller  |                         |   |  |                               |  |                                |                      |                                      |                                      |                                   |   |        |
| Cooling   | Up to 12 hot-swap fans. N +1 redundancy. 6 fans per compute tray, 3 fans per storage tray  |                         |   |  |                               |  |                                |                      |                                      |                                      |                                   |   |        |
| Front ports                                       | One XClarity Controller USB connector, one USB 2.0, one VGA  |                         |   |  |                               |  |                                |                      |                                      |                                      |                                   |   |        |
| Rear ports  | One VGA, two USB 3.0, one serial, one XClarity Controller network connector  |                         |   |  |                               |  |                                |                      |                                      |                                      |                                   |   |        |
| Environmental specification                       | Supports ASHRAE A4 with limitations. <table border="1"> <tbody> <tr> <td>Temperature - operating</td> <td>A4: 5°C to 45°C (41°F to 113°F)<br/>A3: 5°C to 40°C (41°F to 104°F)<br/>A2: 10°C to 35°C (50°F to 95°F)</td> </tr> <tr> <td>Temperature - non operating (no package)</td> <td>-10°C to 60°C (14°F to 140°F)</td> </tr> <tr> <td>Temperature - non operating (with package)</td> <td>-40°C to 70°C (-40°F to 158°F)</td> </tr> <tr> <td>Altitude - operating</td> <td>(Unpressurized): 0-10000ft (0-3048m)</td> </tr> <tr> <td>Humidity - operating, non-condensing</td> <td>A4: 8%-90%. A3:8%-85%. A2:20%-80%</td> </tr> <tr> <td>Humidity - storage (with package), non-condensing</td> <td>8%-90%</td> </tr> </tbody> </table> <p>Models should meet the following requirements to support A3 and A4:<br/>           • 2.5" NVMe SSD and PCIe NVMe flash adapter not installed (NVMe devices are supported up to 35°C)<br/>           • Processors with TDP more than or equal to 150-watt not installed</p> | Temperature - operating | A4: 5°C to 45°C (41°F to 113°F)<br>A3: 5°C to 40°C (41°F to 104°F)<br>A2: 10°C to 35°C (50°F to 95°F) | Temperature - non operating (no package) | -10°C to 60°C (14°F to 140°F) | Temperature - non operating (with package) | -40°C to 70°C (-40°F to 158°F) | Altitude - operating | (Unpressurized): 0-10000ft (0-3048m) | Humidity - operating, non-condensing | A4: 8%-90%. A3:8%-85%. A2:20%-80% | Humidity - storage (with package), non-condensing | 8%-90% |
| Temperature - operating                           | A4: 5°C to 45°C (41°F to 113°F)<br>A3: 5°C to 40°C (41°F to 104°F)<br>A2: 10°C to 35°C (50°F to 95°F)  |                         |   |  |                               |  |                                |                      |                                      |                                      |                                   |   |        |
| Temperature - non operating (no package)          | -10°C to 60°C (14°F to 140°F)  |                         |   |  |                               |  |                                |                      |                                      |                                      |                                   |   |        |
| Temperature - non operating (with package)        | -40°C to 70°C (-40°F to 158°F)   |                         |   |  |                               |  |                                |                      |                                      |                                      |                                   |   |        |
| Altitude - operating                              | (Unpressurized): 0-10000ft (0-3048m)   |                         |   |  |                               |  |                                |                      |                                      |                                      |                                   |   |        |
| Humidity - operating, non-condensing              | A4: 8%-90%. A3:8%-85%. A2:20%-80%  |                         |   |  |                               |  |                                |                      |                                      |                                      |                                   |   |        |
| Humidity - storage (with package), non-condensing | 8%-90%   |                         |   |  |                               |  |                                |                      |                                      |                                      |                                   |   |        |
| Environmental certification                       | Energy Star Server 2.1 certified. More environmental information please see: <a href="http://www.lenovo.com/social_responsibility/us/en/environment/">www.lenovo.com/social_responsibility/us/en/environment/</a>  |                         |   |  |                               |  |                                |                      |                                      |                                      |                                   |   |        |



Note: All riser cards, expansion cards, and LOM adapters are optional.

## Expansion slots

Supports five standard expansion slots (slot 5 - 9) and up to 12 optional expansion slots (slot 1 - 4, 10 - 15, 16 - 17) via 3 riser cards. The slots are as follows:

|                           |  |
|---------------------------|--|
| Slot 1-4 (riser card 1)   | Supports one of the following for riser card 1:<br>Option 1: PCIe 3.0 x8/x8/x8/x8 (slot 1-4). Full height, half length<br>Option 2: PCIe 3.0 x16/x16 (slot 3 and 4). Full height, half length<br>Option 3: PCIe 3.0 x16/x16/x16/x16 (slot 1-4). Full height, half length           |
| Slot 5 (on main I/O tray) | PCIe 3.0 x16, low profile  |
| Slot 6 (on main I/O tray) | PCIe 3.0 x16, low profile  |
| Slot 7 (on main I/O tray) | PCIe 3.0 x8, low profile   |
| Slot 8 (on main I/O tray) | PCIe 3.0 x16 ML2, low profile  |
| Slot 9 (on main I/O tray) | LOM slot, low profile  |
| Slot 10-15 (riser card 2) | Supports one of the following for riser card 2:<br>Option 1: PCIe 3.0 x8/x8/x8/x8 (slot 10-13). Full height, half length<br>Option 2: PCIe 3.0 x16/x16 (slot 12 and 13). Full height, half length<br>Option 3: PCIe 3.0 x16/x16/x16/x16 ML2 (slot 10-15). Full height, half length |
| Slot 16-17 (riser card 3) | PCIe 3.0 x8, low profile   |

For riser cards configuration of each model, please see model configuration table.

| Model      | Region | Processor  | CPU Sockets (std/max) | Memory                       | Memory Sockets (std/max) | Storage Controller     | Disk Bays                 | Max Disk Bays | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots  | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|-----------------------|------------------------------|--------------------------|------------------------|---------------------------|---------------|-------|------------|---------------------------|---|----------|------------------------|---------------------|---------------|------------------|
| 7X12A003AU | ANZ    | 8xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 8/8                   | 8x32GB<br>RDIMM<br>DDR4-2666 | 96/96                    | 2x930-16i<br>4GB flash | 24x2.5"<br>SATA/SAS<br>HS | 24            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/9xFHHL<br>x16/1xFHHL<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 4x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A00BAU | ANZ    | 2xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 2/4                   | 2x32GB<br>RDIMM<br>DDR4-2666 | 24/48                    | 1x930-8i<br>2GB flash  | 8x2.5"<br>SATA/SAS<br>HS  | 12            | Open  | None       | None                      | 2xLP x16/1xLP<br>x8/1xLP x16<br>ML2                                 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A00CAU | ANZ    | 4xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 4/4                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 48/48                    | 1x930-8i<br>2GB flash  | 8x2.5"<br>SATA/SAS<br>HS  | 12            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/4xFHHL<br>x16                   | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A00EAU | ANZ    | 8xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 8/8                   | 8x32GB<br>RDIMM<br>DDR4-2666 | 96/96                    | 2x930-16i<br>4GB flash | 24x2.5"<br>SATA/SAS<br>HS | 24            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/9xFHHL<br>x16/1xFHHL<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 4x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A00FAU | ANZ    | 2xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 2/4                   | 2x32GB<br>RDIMM<br>DDR4-2666 | 24/48                    | 1x930-8i<br>2GB flash  | 8x2.5"<br>SATA/SAS<br>HS  | 12            | Open  | None       | None                      | 2xLP x16/1xLP<br>x8/1xLP x16<br>ML2                                 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A00HAU | ANZ    | 4xXeon Platinum 8153<br>16C/2.0GHz/22MB/125W/DDR4-2666 | 4/8                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 48/96                    | 1x930-8i<br>2GB flash  | 8x2.5"<br>SATA/SAS<br>HS  | 12            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/4xFHHL<br>x16                   | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A00LAU | ANZ    | 4xXeon Platinum 8153<br>16C/2.0GHz/22MB/125W/DDR4-2666 | 4/8                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 48/96                    | 1x930-8i<br>2GB flash  | 8x2.5"<br>SATA/SAS<br>HS  | 12            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/4xFHHL<br>x16                   | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A00NAU | ANZ    | 8xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 8/8                   | 8x32GB<br>RDIMM<br>DDR4-2666 | 96/96                    | 2x930-16i<br>4GB flash | 24x2.5"<br>SATA/SAS<br>HS | 24            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/9xFHHL<br>x16/1xFHHL<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 4x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A00QAU | ANZ    | 4xXeon Platinum 8153<br>16C/2.0GHz/22MB/125W/DDR4-2666 | 4/8                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 48/96                    | 1x930-8i<br>2GB flash  | 8x2.5"<br>SATA/SAS<br>HS  | 12            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/4xFHHL<br>x16                   | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A00RAU | ANZ    | 4xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 4/4                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 48/48                    | 1x930-8i<br>2GB flash  | 8x2.5"<br>SATA/SAS<br>HS  | 12            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/4xFHHL<br>x16                   | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A00SAU | ANZ    | 4xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 4/4                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 48/48                    | 1x930-8i<br>2GB flash  | 8x2.5"<br>SATA/SAS<br>HS  | 12            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/4xFHHL<br>x16                   | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A00UAU | ANZ    | 2xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 2/4                   | 2x32GB<br>RDIMM<br>DDR4-2666 | 24/48                    | 1x930-8i<br>2GB flash  | 8x2.5"<br>SATA/SAS<br>HS  | 12            | Open  | None       | None                      | 2xLP x16/1xLP<br>x8/1xLP x16<br>ML2                                 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |

ThinkSystem SR950 - Non TopSeller - ASEAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor   | CPU Sockets (std/max) | Memory                       | Memory Sockets (std/max) | Storage Controller     | Disk Bays              | Max Disk Bays | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots                   | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|-----------------------|------------------------------|--------------------------|------------------------|------------------------|---------------|-------|------------|---------------------------|--|----------|------------------------|---------------------|---------------|------------------|
| 7X12A014SG | ASEAN  | 2xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666    | 2/8                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 24/96                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>SATA/SAS | 12            | Open  | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A015SG | ASEAN  | 2xXeon Platinum 8153<br>16C/2.0GHz/22MB/125W/DDR4-2666    | 2/8                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 24/96                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>SATA/SAS | 12            | Open  | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A016SG | ASEAN  | 2xXeon Platinum 8158<br>12C/3.0GHz/24.75MB/150W/DDR4-2666 | 2/8                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 24/96                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>SATA/SAS | 12            | Open  | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A01BSG | ASEAN  | 2xXeon Platinum 8164<br>26C/2.0GHz/35.75MB/150W/DDR4-2666 | 2/8                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 24/96                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>SATA/SAS | 12            | Open  | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A01CSG | ASEAN  | 2xXeon Platinum 8176<br>28C/2.1GHz/38.5MB/165W/DDR4-2666  | 2/8                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 24/96                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>SATA/SAS | 12            | Open  | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |

ThinkSystem SR950 - Non TopSeller - Brazil

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | CPU Sockets (std/max) | Memory                       | Memory Sockets (std/max) | Storage Controller     | Disk Bays                 | Max Disk Bays | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots  | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|-----------------------|------------------------------|--------------------------|------------------------|---------------------------|---------------|-------|------------|---------------------------|---|----------|------------------------|---------------------|---------------|------------------|
| 7X12A01TBR | Brazil | 2xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 2/4                   | 2x32GB<br>RDIMM<br>DDR4-2666 | 24/48                    | 1x930-8i<br>2GB flash  | 8x2.5"<br>SATA/SAS<br>HS  | 12            | Open  | None       | None                      | 2xLP x16/1xLP<br>x8/1xLP x16<br>ML2                                 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A01UBR | Brazil | 8xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 8/8                   | 8x32GB<br>RDIMM<br>DDR4-2666 | 96/96                    | 2x930-16i<br>4GB flash | 24x2.5"<br>SATA/SAS<br>HS | 24            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/9xFHHL<br>x16/1xFHHL<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 4x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A01VBR | Brazil | 4xXeon Platinum 8153<br>16C/2.0GHz/22MB/125W/DDR4-2666 | 4/8                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 48/96                    | 1x930-8i<br>2GB flash  | 8x2.5"<br>SATA/SAS<br>HS  | 12            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/4xFHHL<br>x16                   | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A01WBR | Brazil | 4xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 4/4                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 48/48                    | 1x930-8i<br>2GB flash  | 8x2.5"<br>SATA/SAS<br>HS  | 12            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/4xFHHL<br>x16                   | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | CPU Sockets (std/max) | Memory                       | Memory Sockets (std/max) | Storage Controller     | Disk Bays                                    | Max Disk Bays | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots  | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|-----------------------|------------------------------|--------------------------|------------------------|--|---------------|-------|------------|---------------------------|---|----------|------------------------|---------------------|---------------|------------------|
| 7X12A017EA | EMEA   | 8xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 8/8                   | 8x32GB<br>RDIMM<br>DDR4-2666 | 96/96                    | 2x930-16i<br>4GB flash | 24x2.5" HS<br>(12<br>SATA/SAS,<br>12 AnyBay) | 24            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/9xFHHL<br>x16/1xFHHL<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 4x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A018EA | EMEA   | 4xXeon Platinum 8153<br>16C/2.0GHz/22MB/125W/DDR4-2666 | 4/8                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 48/96                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>(6<br>SATA/SAS,<br>6 AnyBay)   | 12            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/4xFHHL<br>x16                   | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A019EA | EMEA   | 4xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 4/4                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 48/48                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>(6<br>SATA/SAS,<br>6 AnyBay)   | 12            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/4xFHHL<br>x16                   | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A01AEA | EMEA   | 2xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 2/4                   | 2x32GB<br>RDIMM<br>DDR4-2666 | 24/48                    | 1x930-8i<br>2GB flash  | 8x2.5"<br>SATA/SAS<br>HS                     | 12            | Open  | None       | None                      | 2xLP x16/1xLP<br>x8/1xLP x16<br>ML2                                 | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | CPU Sockets (std/max) | Memory                    | Memory Sockets (std/max) | Storage Controller     | Disk Bays              | Max Disk Bays | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots                   | Security | System Management   | Power Supply     | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|-----------------------|---------------------------|--------------------------|------------------------|------------------------|---------------|-------|------------|---------------------------|--|----------|---------------------|------------------|---------------|------------------|
| 7X12A01ECN | HTK    | 2xXeon Platinum 8180<br>28C/2.5GHz/38.5MB/205W/DDR4-2666  | 2/8                   | 2x16GB RDIMM<br>DDR4-2666 | 24/96                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>SATA/SAS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity Enterprise | 2x1600W Platinum | 3-year        | 07/17            |
| 7X12A01FCN | HTK    | 2xXeon Platinum 8170<br>26C/2.1GHz/35.75MB/165W/DDR4-2666 | 2/8                   | 2x16GB RDIMM<br>DDR4-2666 | 24/96                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>SATA/SAS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity Enterprise | 2x1600W Platinum | 3-year        | 07/17            |
| 7X12A01HCN | HTK    | 2xXeon Platinum 8156<br>4C/3.6GHz/16.5MB/105W/DDR4-2666   | 2/8                   | 2x16GB RDIMM<br>DDR4-2666 | 24/96                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>SATA/SAS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity Enterprise | 2x1600W Platinum | 3-year        | 07/17            |
| 7X12A01JCN | HTK    | 2xXeon Platinum 8153<br>16C/2.0GHz/22MB/125W/DDR4-2666    | 2/8                   | 2x16GB RDIMM<br>DDR4-2666 | 24/96                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>SATA/SAS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity Enterprise | 2x1600W Platinum | 3-year        | 07/17            |
| 7X12A01KCN | HTK    | 2xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666        | 2/4                   | 2x16GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>SATA/SAS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity Enterprise | 2x1600W Platinum | 3-year        | 07/17            |
| 7X12A01LCN | HTK    | 2xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666     | 2/4                   | 2x16GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>SATA/SAS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity Enterprise | 2x1600W Platinum | 3-year        | 07/17            |
| 7X12A01NCN | HTK    | 2xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666      | 2/4                   | 2x16GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>SATA/SAS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity Enterprise | 2x1600W Platinum | 3-year        | 07/17            |
| 7X12A01PCN | HTK    | 2xXeon Gold 6142<br>16C/2.6GHz/22MB/150W/DDR4-2666        | 2/4                   | 2x16GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>SATA/SAS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity Enterprise | 2x1600W Platinum | 3-year        | 07/17            |
| 7X12A01QCN | HTK    | 2xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666    | 2/8                   | 2x16GB RDIMM<br>DDR4-2666 | 24/96                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>SATA/SAS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity Enterprise | 2x1600W Platinum | 3-year        | 07/17            |
| 7X12A01RCN | HTK    | 2xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666     | 2/4                   | 2x16GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 12x2.5" HS<br>SATA/SAS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity Enterprise | 2x1600W Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | CPU Sockets (std/max) | Memory                    | Memory Sockets (std/max) | Storage Controller     | Disk Bays                | Max Disk Bays | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots                   | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|-----------------------|---------------------------|--------------------------|------------------------|--------------------------|---------------|-------|------------|---------------------------|--|----------|------------------------|---------------------|---------------|------------------|
| 7X12A00VSG | INDIA  | 2xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666     | 2/4                   | 2x16GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A00YSG | INDIA  | 2xXeon Platinum 8180<br>28C/2.5GHz/38.5MB/205W/DDR4-2666  | 2/8                   | 2x16GB RDIMM<br>DDR4-2666 | 24/96                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A00ZSG | INDIA  | 2xXeon Platinum 8160M<br>24C/2.1GHz/33MB/150W/DDR4-2666   | 2/4                   | 2x32GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A010SG | INDIA  | 2xXeon Gold 6142M<br>16C/2.6GHz/22MB/150W/DDR4-2666       | 2/4                   | 2x16GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A011SG | INDIA  | 2xXeon Platinum 8164<br>26C/2.0GHz/35.75MB/150W/DDR4-2666 | 2/8                   | 2x16GB RDIMM<br>DDR4-2666 | 24/96                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A00PSG | INDIA  | 2xXeon Platinum 8158<br>12C/3.0GHz/24.75MB/150W/DDR4-2666 | 2/4                   | 2x16GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A00JSG | INDIA  | 2xXeon Gold 6134M<br>8C/3.2GHz/24.75MB/130W/DDR4-2666     | 2/4                   | 2x16GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A00KSG | INDIA  | 2xXeon Gold 6134M<br>8C/3.2GHz/24.75MB/130W/DDR4-2666     | 2/4                   | 2x32GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A00DSG | INDIA  | 2xXeon Platinum 8160M<br>24C/2.1GHz/33MB/150W/DDR4-2666   | 2/4                   | 2x16GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A001SG | INDIA  | 2xXeon Gold 6142M<br>16C/2.6GHz/22MB/150W/DDR4-2666       | 2/4                   | 2x32GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A002SG | INDIA  | 2xXeon Gold 6132<br>14C/2.6GHz/19.25MB/140W/DDR4-2666     | 2/4                   | 2x16GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A004SG | INDIA  | 2xXeon Gold 6142<br>16C/2.6GHz/22MB/150W/DDR4-2666        | 2/4                   | 2x16GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A005SG | INDIA  | 2xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666     | 2/4                   | 2x16GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A006SG | INDIA  | 2xXeon Gold 6140M<br>18C/2.3GHz/24.75MB/140W/DDR4-2666    | 2/4                   | 2x16GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A008SG | INDIA  | 2xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666     | 2/4                   | 2x16GB RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | CPU Sockets (std/max) | Memory                       | Memory Sockets (std/max) | Storage Controller     | Disk Bays                | Max Disk Bays | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots                   | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|-----------------------|------------------------------|--------------------------|------------------------|--------------------------|---------------|-------|------------|---------------------------|--|----------|------------------------|---------------------|---------------|------------------|
| 7X12A009SG | INDIA  | 2xXeon Gold 6150<br>18C/2.7GHz/24.75MB/165W/DDR4-2666 | 2/4                   | 2x16GB<br>RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A00ASG | INDIA  | 2xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666  | 2/4                   | 2x16GB<br>RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5"<br>SATA/SAS<br>HS | 12            | Open  | None       | 4xGbE RJ-45 LOM           | 2xLP<br>x16/1xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |



ThinkSystem SR950 - Non TopSeller - JAPAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | CPU Sockets (std/max) | Memory                       | Memory Sockets (std/max) | Storage Controller     | Disk Bays                              | Max Disk Bays | Disk Drives | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots                   | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|-----------------------|------------------------------|--------------------------|------------------------|--|---------------|-------------|------------|---------------------------|--|----------|------------------------|---------------------|---------------|------------------|
| 7X12A00MJP | JAPAN  | 2xXeon Gold 6128<br>6C/3.4GHz/19.25MB/115W/DDR4-2666     | 2/4                   | 4x16GB<br>RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 4x2.5" HS (2<br>SATA/SAS, 2<br>AnyBay) | 12            | Open        | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/3xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 4x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A012JP | JAPAN  | 4xXeon Platinum 8180<br>28C/2.5GHz/38.5MB/205W/DDR4-2666 | 4/8                   | 4x16GB<br>RDIMM<br>DDR4-2666 | 48/96                    | 1x930-16i<br>4GB flash | 4x2.5" HS (2<br>SATA/SAS, 2<br>AnyBay) | 12            | Open        | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/3xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 4x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A013JP | JAPAN  | 2xXeon Gold 6154<br>18C/3.0GHz/24.75MB/200W/DDR4-2666    | 2/4                   | 2x16GB<br>RDIMM<br>DDR4-2666 | 24/48                    | 1x930-16i<br>4GB flash | 8x2.5" HS (6<br>SATA/SAS, 2<br>AnyBay) | 12            | Open        | None       | 4x10GbE RJ-45<br>LOM      | 2xLP<br>x16/3xLP<br>x8/1xLP<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | CPU Sockets (std/max) | Memory                       | Memory Sockets (std/max) | Storage Controller     | Disk Bays                                    | Max Disk Bays | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots  | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|-----------------------|------------------------------|--------------------------|------------------------|--|---------------|-------|------------|---------------------------|---|----------|------------------------|---------------------|---------------|------------------|
| 7X12A01GNA | NA     | 4xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 4/4                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 48/48                    | 1x930-8i<br>2GB flash  | 8x2.5" HS (4<br>SATA/SAS,<br>4 AnyBay)       | 12            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/4xFHHL<br>x16                   | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A01DNA | NA     | 2xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 2/4                   | 2x32GB<br>RDIMM<br>DDR4-2666 | 24/48                    | 1x930-8i<br>2GB flash  | 8x2.5" HS (6<br>SATA/SAS,<br>2 AnyBay)       | 12            | Open  | None       | None                      | 2xLP x16/1xLP<br>x8/1xLP x16<br>ML2                                 | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X12A01SNA | NA     | 8xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 8/8                   | 8x32GB<br>RDIMM<br>DDR4-2666 | 96/96                    | 2x930-16i<br>4GB flash | 24x2.5" HS<br>(12<br>SATA/SAS,<br>12 AnyBay) | 24            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/9xFHHL<br>x16/1xFHHL<br>x16 ML2 | TPM 1.2  | XClarity<br>Enterprise | 4x1600W<br>Platinum | 3-year        | 07/17            |
| 7X12A01MNA | NA     | 4xXeon Platinum 8153<br>16C/2.0GHz/22MB/125W/DDR4-2666 | 4/8                   | 4x32GB<br>RDIMM<br>DDR4-2666 | 48/96                    | 1x930-8i<br>2GB flash  | 8x2.5" HS (4<br>SATA/SAS,<br>4 AnyBay)       | 12            | Open  | None       | None                      | 2xLP x16/3xLP<br>x8/1xLP x16<br>ML2/4xFHHL<br>x16                   | TPM 1.2  | XClarity<br>Enterprise | 2x1600W<br>Platinum | 3-year        | 07/17            |

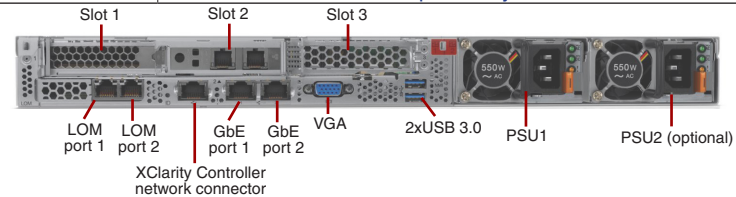


# ThinkSystem SR530 Platform Specifications

Product Specifications Reference (PSREF)

| Components  | Specification   |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|---|---|--------------------------|-------------------------------|------------------|------------------|-------------|--------------|------------------|------------------|----------|---------|-------------|--------------|------------|------|----------|-----|------|------|----|---|--------|------------|----------|-------------|-----|------|------|-----|---|--------|------------|----------|-------------|-----|-----|------|----|---|-------------|--------|------------|----------|------------------|-----|-----|--------------|-----|---|--------|------------|----------|---|-----|------|------|---|---|--------|------------|----------|---|-----|------|------|---|---|---------|------------|----------|---|-----|------|------|---|---|--------|------------|----------|------------------|-----|-----|--------------|-----|---|
| Form factor   | 1U rack   |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| Dimensions  | Height: 43 mm (1.7 in). Width: 482 mm (19.0 in) with rack latches. Depth: 778.3 mm (30.64 in)   |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| Weight  | Maximum configuration: 35.27 lb (16 kg)   |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| Processor   | Up to two 125W Intel Xeon Scalable family processors, Bronze, Silver, Gold, or Platinum. Up to 20 cores at 2.0GHz, up to 3.6GHz with 4 cores. Two processors are connected with two UPI (Ultra Path Interconnect) links up to 10.4GT/s  |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| Chipset   | Intel C622 Platform Controller Hub  |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| Memory  | Up to 12 DIMM sockets. Each processor supports up to 6 DIMM sockets with 6 channels. DDR4-2666. RDIMMs and LRDIMMs are supported, but memory types cannot be intermixed   |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| Memory capacity   | With RDIMMs: Up to 384GB with 12 x 32 GB RDIMMs and two processors<br>With LRDIMMs: Up to 768GB with 12 x 64 GB LRDIMMs and two processors  |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| Memory protection   | ECC, memory mirroring, and memory sparing   |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| Storage controllers   | Supports the following RAID/HBA adapters:   |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   | <table border="1"> <thead> <tr> <th></th> <th>RAID adapter</th> <th>Interface</th> <th>Drive type</th> <th>RAID levels</th> <th>JBOD</th> <th>Cache</th> <th>Cache protection</th> <th>FastPath</th> <th>Max qty</th> </tr> </thead> <tbody> <tr> <td rowspan="3">For SS bays</td> <td>Onboard SATA</td> <td>6Gbps SATA</td> <td>SATA</td> <td>0/1/10/5</td> <td>Yes</td> <td>None</td> <td>None</td> <td>No</td> <td>-</td> </tr> <tr> <td>530-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50</td> <td>Yes</td> <td>None</td> <td>None</td> <td>Yes</td> <td>1</td> </tr> <tr> <td>730-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50</td> <td>Yes</td> <td>1GB</td> <td>None</td> <td>No</td> <td>1</td> </tr> <tr> <td rowspan="5">For HS bays</td> <td>930-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50/6/60</td> <td>Yes</td> <td>2GB</td> <td>Flash backup</td> <td>Yes</td> <td>1</td> </tr> <tr> <td>430-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>1</td> </tr> <tr> <td>430-8e</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>2</td> </tr> <tr> <td>430-16e</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>2</td> </tr> <tr> <td>930-8e</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50/6/60</td> <td>Yes</td> <td>4GB</td> <td>Flash backup</td> <td>Yes</td> <td>2</td> </tr> </tbody> </table> |                          | RAID adapter                  | Interface        | Drive type       | RAID levels | JBOD         | Cache            | Cache protection | FastPath | Max qty | For SS bays | Onboard SATA | 6Gbps SATA | SATA | 0/1/10/5 | Yes | None | None | No | - | 530-8i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50 | Yes | None | None | Yes | 1 | 730-8i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50 | Yes | 1GB | None | No | 1 | For HS bays | 930-8i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50/6/60 | Yes | 2GB | Flash backup | Yes | 1 | 430-8i | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 1 | 430-8e | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 2 | 430-16e | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 2 | 930-8e | 12Gbps SAS | SATA/SAS | 0/1/10/5/50/6/60 | Yes | 4GB | Flash backup | Yes | 2 |
|   |   | RAID adapter             | Interface                     | Drive type       | RAID levels      | JBOD        | Cache        | Cache protection | FastPath         | Max qty  |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   | For SS bays   | Onboard SATA             | 6Gbps SATA                    | SATA             | 0/1/10/5         | Yes         | None         | None             | No               | -        |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   |   | 530-8i                   | 12Gbps SAS                    | SATA/SAS         | 0/1/10/5/50      | Yes         | None         | None             | Yes              | 1        |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   |   | 730-8i                   | 12Gbps SAS                    | SATA/SAS         | 0/1/10/5/50      | Yes         | 1GB          | None             | No               | 1        |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   | For HS bays   | 930-8i                   | 12Gbps SAS                    | SATA/SAS         | 0/1/10/5/50/6/60 | Yes         | 2GB          | Flash backup     | Yes              | 1        |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   |   | 430-8i                   | 12Gbps SAS                    | SATA/SAS         | -                | Yes         | None         | None             | -                | 1        |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   |   | 430-8e                   | 12Gbps SAS                    | SATA/SAS         | -                | Yes         | None         | None             | -                | 2        |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   |   | 430-16e                  | 12Gbps SAS                    | SATA/SAS         | -                | Yes         | None         | None             | -                | 2        |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| 930-8e  |   | 12Gbps SAS               | SATA/SAS                      | 0/1/10/5/50/6/60 | Yes              | 4GB         | Flash backup | Yes              | 2                |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| <i>Note: 730-8i is available in China only. All RAID/HBA adapters should be placed in slot 1 firstly.</i> |   |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| Disk drive bays   | Support 4 front 3.5" SATA simple-swap bays, or 4 front 3.5" SATA/SAS HS bays, or 8 front 2.5" SATA/SAS HS bays.<br>Optional one or two internal M.2 SSD for boot, dual M.2 SSD supports mirroring   |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| Internal storage  | For 3.5" SS bay   | 3.5" HDD, SATA6Gbs, 7.2K | 1TB/2TB/4TB/6TB/8TB/10TB      |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   | For 3.5" bay (3.5" disks or 2.5" disks with 3.5" tray)  | 3.5" HDD, SATA6Gbs, 7.2K | 1TB/2TB/4TB/6TB/8TB/10TB      |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   |   | 3.5" HDD, SAS12Gbs, 7.2K | 1TB/2TB/4TB/6TB/10TB          |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   |   | 2.5" HDD, SAS12Gbs, 15K  | 300GB/600GB                   |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   | For 2.5" bay  | 2.5" SSD, SATA6Gbs       | 240GB/480GB                   |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   |   | 2.5" HDD, SATA6Gbs, 7.2K | 1TB/2TB                       |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   |   | 2.5" HDD, SAS12Gbs, 7.2K | 1TB/2TB                       |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   |   | 2.5" HDD, SAS12Gbs, 10K  | 300GB/600GB/900GB/1.2TB/1.8TB |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   |   | 2.5" HDD, SAS12Gbs, 15K  | 300GB/600GB                   |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
|   |   | 2.5" SSD, SAS12Gbs       | 400GB/800GB/3.84TB            |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| 2.5" SSD, SATA6Gbs  |   | 240GB/480GB              |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| M.2 SATA SSD  | 32GB/128GB  |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| Optical   | No internal optical bay. Optional USB DVD±RW optical drive  |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| Network interfaces  | Integrated one dedicated management port plus two GbE ports. One LOM slot for customized LOM with two RJ-45 or SFP+ ports, up to 10GbE. Optional ML2 or PCIe adapters are supported. ML2 adapter requires riser card with ML2 slot. Up to two ports supports Wake-on-LAN and NC-SI (see right)  |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| Security features   | Power-on and admin password. Trusted Platform Module, TCG 1.2 compliant, upgrade to 2.0 via UEFI setting. Optional TCM in China only. Optional lockable security bezel  |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| Operating systems supported   | Microsoft Windows Server 2016/2012 R2. Red Hat Enterprise Linux 7.3/6.9. SUSE Linux Enterprise Server 12 SP2/11 SP4. VMware vSphere (ESXi) 6.5/6.0 U3   |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| Systems management  | XClarity Controller Standard, optional upgrades to Advanced or Enterprise are available. Energy Manager. XClarity Administrator. Lenovo Capacity Planner. Provisioning Manager. Essentials. Light Path Diagnostics  |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |
| GPU support   | None  |                          |                               |                  |                  |             |              |                  |                  |          |         |             |              |            |      |          |     |      |      |    |   |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |             |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |

| Components   | Specification  |   |
|--|--|---|
| Base warranty  | MT 7X07: 1-year limited onsite service with 9x5/NBD<br>MT 7X08: 3-year limited onsite service with 9x5/NBD   |   |
| Power supply   | Up to two redundant hot-swap 550W and 750W 80 PLUS Platinum qualified AC power supplies. Or up to two redundant hot-swap 750W Titanium qualified AC power supplies. 750W Titanium is 200V - 240V, others are 100V - 240V |   |
| Video  | Integrated Matrox G200 in XClarity Controller  |   |
| Cooling  | Four fans (3+1) for single processor model, six fans (5+1) for dual processor model  |   |
| Front ports  | One XClarity Controller USB, one USB 3.0, one optional VGA   |   |
| Rear ports   | One VGA, two USB 3.0, two ethernet (RJ-45), one XClarity Controller connector. Optional COM port   |   |
| Environmental specification  | Supports ASHRAE A4 with limitations.   |   |
|  | Temperature - operating  | A4: 5°C to 45°C (41°F to 113°F)<br>A3: 5°C to 40°C (41°F to 104°F)<br>A2: 10°C to 35°C (50°F to 95°F) |
|  | Temperature - non operating (no package)   | -10°C to 60°C (14°F to 140°F)   |
|  | Temperature - non operating (with package)   | -40°C to 70°C (-40°F to 158°F)  |
|  | Altitude - operating   | (Unpressurized): 0-10000ft (0-3048m)  |
| Humidity - operating, non-condensing                                       | A4: 8%-90%. A3:8%-85%. A2:20%-80%  |   |
| Humidity - storage (with package), non-condensing                          | 8%-90%   |   |
| <i>Models should meet the following requirements to support A3 and A4:</i> |  |   |
| • Redundant power supplies required  |  |   |
| • No system fan fails  |  |   |
| Environmental certification  | Energy Star Server 2.1 certified. More environmental information please see: <a href="http://www.lenovo.com/social_responsibility/us/en/environment/">www.lenovo.com/social_responsibility/us/en/environment/</a>        |   |



*Note: GbE port 1 and LOM port 1 support Wake-on-LAN and NC-SI. Riser cards, expansion cards, and LOM adapters are optional.*

| Expansion slots         |   |
|-------------------------|---|
| Slot 1-2 (riser card 1) | Supports one of the following for riser card 1:<br>Option 1: PCIe 3.0 x8/x16 (slot 1-2). Low profile for x8, low profile or full height half length for x16<br>Option 2: PCIe 3.0 x8/x8 ML2 (slot 1-2). Low profile |
| Slot 3 (riser card 2)   | Option 1: PCIe 3.0 x 8, low profile, for single processor model<br>Option 2: PCIe 3.0 x 16, low profile, for dual processor model<br>When slot 2 is full height, slot 3 cannot be used                              |

| System unique options |   |
|-----------------------|---|
| Option                | Description   |
| 7XH7A05892            | ThinkSystem SR530/SR570 x8/x8ML2 PCIe LP+LP Riser 1 kit       |
| 7XH7A02682            | ThinkSystem SR530/SR570/SR630 x8/x16 PCIe LP+LP Riser 1 Kit   |
| 7XH7A05893            | ThinkSystem SR530/SR570/SR630 x8/x16 PCIe LP+FH Riser 1 Kit   |
| 7XH7A05891            | ThinkSystem SR530/SR570 x8 PCIe LP Riser 2 kit                |
| 7XH7A02685            | ThinkSystem SR530/SR570/SR630 x16 PCIe LP Riser 2 Kit         |
| 7Z17A02579            | ThinkSystem SR530/SR570/SR630 Front VGA Connector Upgrade Kit |
| 7Z17A02581            | ThinkSystem 1U Security Bezel                                 |
| 7Z17A02577            | ThinkSystem COM Port Upgrade Kit                              |
| 7XH7A05896            | ThinkSystem SR530/SR630 2.5" SATA/SAS 8-Bay Backplane Kit     |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks                                | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots   | Front VGA    | Security | System Management      | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|--------------------------------------|------------|---------------------------|------------------------|--------------|----------|------------------------|--------------------|---------------|------------------|
| 7X08A02RAU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A030AU | ANZ    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | Onboard<br>SATA       | 4x3.5"  | 4x3.5" SATA<br>SS        | Open                                 | None       | None                      | None                   | Front<br>VGA | TPM 1.2  | XClarity<br>Standard   | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A032AU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A034AU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 2x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | 2x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A035AU | ANZ    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | 2x300GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03AAU | ANZ    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A038AU | ANZ    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03MAU | ANZ    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard   | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A03JAU | ANZ    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03QAU | ANZ    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03RAU | ANZ    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03TAU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03ZAU | ANZ    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks                                | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots   | Front VGA    | Security | System Management      | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|--------------------------------------|------------|---------------------------|------------------------|--------------|----------|------------------------|--------------------|---------------|------------------|
| 7X08A01HEA | EMEA   | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A04GEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | 3x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A04TEA | EMEA   | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01UEA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01VEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01XEA | EMEA   | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A020EA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A022EA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | Onboard<br>SATA       | 4x3.5"  | 4x3.5" SATA<br>SS        | Open                                 | None       | None                      | None                   | Front<br>VGA | TPM 1.2  | XClarity<br>Standard   | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A024EA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A025EA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A027EA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 2x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | 2x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A028EA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard   | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A029EA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A02BEA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | 2x300GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A00XEA | EMEA   | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays | Disks          | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA           | Security     | System Management | Power Supply           | Base Warranty      | Ann Date (mm/yy) |       |
|------------|--------|--|------------------------------|-----------------------|---------|-----------|----------------|------------|---------------------------|----------------------|---------------------|--------------|-------------------|------------------------|--------------------|------------------|-------|
| 7X08A009EA | EMEA   | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None                      | None                 | 1xLP<br>x8/1xLP x16 | Front<br>VGA | TPM 1.2           | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year           | 07/17 |

# ThinkSystem SR530 - TopSeller - JAPAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                      | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|-----------------------------|-----------------------|---------|--------------------------|-------|------------|---------------------------|----------------------|-----------|----------|----------------------|--------------------|---------------|------------------|
| 7X08A04UJP | JAPAN  | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP x16  | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A04VJP | JAPAN  | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133 | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP x16  | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A04YJP | JAPAN  | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP x16  | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A04ZJP | JAPAN  | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133 | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP x16  | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A050JP | JAPAN  | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP x16  | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |



| Model      | Region | Processor  | Memory                       | Storage Controller | Chassis | Disk Bays                | Disks                                | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots   | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|--------------------|---------|--------------------------|--------------------------------------|------------|---------------------------|------------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X08A051LA | LA     | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A053LA | LA     | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | 2x600GB HDD<br>15K 3.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A054LA | LA     | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A059LA | LA     | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | 2x2TB HDD<br>7.2K 3.5"<br>SAS12Gbps  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A05ALA | LA     | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | 2x2TB HDD<br>7.2K 3.5"<br>SAS12Gbps  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A05CLA | LA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A05FLA | LA     | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A05GLA | LA     | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A05HLA | LA     | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A05JLA | LA     | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A05LLA | LA     | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | 3x600GB HDD<br>15K 3.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A05QLA | LA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | 2x2TB HDD<br>7.2K 3.5"<br>SAS12Gbps  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A05ULA | LA     | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A05VLA | LA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A05YLA | LA     | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |

# ThinkSystem SR530 - TopSeller - NA

Product Specifications Reference (PSREF)

| Model      | Region | Processor   | Memory                       | Storage Controller | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots     | Front VGA    | Security | System Management      | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|--------------------|---------|--------------------------|-------|------------|---------------------------|--------------------------|--------------|----------|------------------------|--------------------|---------------|------------------|
| 7X08A04FNA | NA     | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xFHHL<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03SNA | NA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xFHHL<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A045NA | NA     | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xFHHL<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Availible PCIe Slots      | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|-------|------------|---------------------------|---------------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X08A006AU | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A00DAU | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A00YAU | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16    | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A010AU | ANZ    | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16    | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01NAU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666  | Onboard<br>SATA       | 4x3.5"  | 4x3.5" SATA<br>SS        | Open  | None       | None                      | None                      | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A01PAU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A01QAU | ANZ    | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16    | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01RAU | ANZ    | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01SAU | ANZ    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16    | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01EAU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A01JAU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A01KAU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A02SAU | ANZ    | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16    | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A02XAU | ANZ    | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16    | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A033AU | ANZ    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16    | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model       | Region | Processor   | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots   | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|-------------|--------|---|------------------------------|-----------------------|---------|--------------------------|-------|------------|---------------------------|------------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X08A037AU  | ANZ    | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03FAU  | ANZ    | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400       | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03LAU  | ANZ    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03NAU  | ANZ    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03HAU  | ANZ    | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400       | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03UAAU | ANZ    | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03VAU  | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A041AU  | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A04MAU  | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

## ThinkSystem SR530 - Non TopSeller - ASEAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                      | Storage Controller | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots   | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|-----------------------------|--------------------|---------|--------------------------|-------|------------|---------------------------|------------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X08A02CSG | ASEAN  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A02DSG | ASEAN  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A02ESG | ASEAN  | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A02FSG | ASEAN  | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A02GSG | ASEAN  | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A02HSG | ASEAN  | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A02JSG | ASEAN  | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A02KSG | ASEAN  | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A02LSG | ASEAN  | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A02MSG | ASEAN  | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A02NSG | ASEAN  | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A02PSG | ASEAN  | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A02QSG | ASEAN  | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                        | Storage Controller | Chassis | Disk Bays | Disks                                | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots   | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|-------------------------------|--------------------|---------|-----------|--------------------------------------|------------|---------------------------|------------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X08A04NBR | Brazil | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"    | 1x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A04PBR | Brazil | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666   | 1x530-8i           | 8x2.5"  | 8x2.5"    | 1x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A04QBR | Brazil | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x32GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"    | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A04RBR | Brazil | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"    | 1x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A040BR | Brazil | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x64GB<br>DDR4-2666<br>LRDIMM | 1x530-8i           | 8x2.5"  | 8x2.5"    | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A04HBR | Brazil | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x64GB<br>DDR4-2666<br>LRDIMM | 1x530-8i           | 8x2.5"  | 8x2.5"    | 1x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A04JBR | Brazil | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"    | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A04KBR | Brazil | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x64GB<br>DDR4-2666<br>LRDIMM | 1x530-8i           | 8x2.5"  | 8x2.5"    | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A04LBR | Brazil | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666   | 1x530-8i           | 8x2.5"  | 8x2.5"    | 1x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A046BR | Brazil | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x8GB<br>RDIMM<br>DDR4-2666   | 1x530-8i           | 8x2.5"  | 8x2.5"    | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A047BR | Brazil | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x64GB<br>DDR4-2666<br>LRDIMM | 1x530-8i           | 8x2.5"  | 8x2.5"    | 1x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A048BR | Brazil | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"    | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A049BR | Brazil | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666   | 1x530-8i           | 8x2.5"  | 8x2.5"    | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A04ABR | Brazil | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x64GB<br>DDR4-2666<br>LRDIMM | 1x530-8i           | 8x2.5"  | 8x2.5"    | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A04BBR | Brazil | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x32GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"    | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                        | Storage Controller | Chassis | Disk Bays | Disks                                | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots   | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|-------------------------------|--------------------|---------|-----------|--------------------------------------|------------|---------------------------|------------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X08A04CBR | Brazil | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x32GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"    | 1x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A04DBR | Brazil | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x8GB<br>RDIMM<br>DDR4-2666   | 1x530-8i           | 8x2.5"  | 8x2.5"    | 1x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A04EBR | Brazil | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x64GB<br>DDR4-2666<br>LRDIMM | 1x530-8i           | 8x2.5"  | 8x2.5"    | 1x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A042BR | Brazil | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"    | 1x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A043BR | Brazil | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666   | 1x530-8i           | 8x2.5"  | 8x2.5"    | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A044BR | Brazil | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x32GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"    | 1x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03WBR | Brazil | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x32GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"    | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03XBR | Brazil | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"    | Open                                 | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03YBR | Brazil | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x32GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 8x2.5"  | 8x2.5"    | 1x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots   | Front VGA | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|-------|------------|---------------------------|------------------------|-----------|----------|----------------------|--------------------|---------------|------------------|
| 7X08A04SEA | EMEA   | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01TEA | EMEA   | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01WEA | EMEA   | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01YEA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01ZEA | EMEA   | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A021EA | EMEA   | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A023EA | EMEA   | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A026EA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A02AEA | EMEA   | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A00JEA | EMEA   | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A018EA | EMEA   | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A00NEA | EMEA   | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A00PEA | EMEA   | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A003EA | EMEA   | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |



| Model      | Region | Processor  | Memory                    | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Availible PCIe Slots     | Front VGA | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|---------------------------|-----------------------|---------|--------------------------|-------|------------|---------------------------|--------------------------|-----------|----------|----------------------|--------------------|---------------|------------------|
| 7X08A00SCN | HTK    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xFHHL<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A00TCN | HTK    | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xFHHL<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A00UCN | HTK    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xFHHL<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A00WCN | HTK    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xFHHL<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01DCN | HTK    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xFHHL<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A016CN | HTK    | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xFHHL<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A00ZCN | HTK    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xFHHL<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A014CN | HTK    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xFHHL<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A02TCN | HTK    | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x16      | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A02UCN | HTK    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x16      | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A02VCN | HTK    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x16      | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A02WCN | HTK    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x16      | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01LCN | HTK    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xFHHL<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01GCN | HTK    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xFHHL<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03KCN | HTK    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x16      | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Availiable PCIe Slots  | Front VGA | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|-------|------------|---------------------------|------------------------|-----------|----------|----------------------|--------------------|---------------|------------------|
| 7X08A03PCN | HTK    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03GCN | HTK    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A039CN | HTK    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03BCN | HTK    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03CCN | HTK    | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03DCN | HTK    | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A03ECN | HTK    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A036CN | HTK    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A031CN | HTK    | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A02YCN | HTK    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A02ZCN | HTK    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP<br>x16 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots      | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|-----------------------|---------|--------------------------|-------|------------|---------------------------|---------------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X08A015SG | INDIA  | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A011SG | INDIA  | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A013SG | INDIA  | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01BSG | INDIA  | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A00FSG | INDIA  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A00GSG | INDIA  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A00ASG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A00BSG | INDIA  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A00CSG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A004SG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A007SG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | Onboard<br>SATA       | 4x3.5"  | 4x3.5" SATA<br>SS        | Open  | None       | 2xGbE RJ-45 LOM           | None                      | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A008SG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE RJ-45 LOM           | 1xLP<br>x8/1xLP x8<br>ML2 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |

# ThinkSystem SR530 - Non TopSeller - JAPAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                      | Storage Controller    | Chassis | Disk Bays | Disks          | M.2 Drives | Networking (LOM/ML2/PCIe) | Avaiable PCIe Slots | Front VGA | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|-----------------------------|-----------------------|---------|-----------|----------------|------------|---------------------------|---------------------|-----------|----------|----------------------|--------------------|---------------|------------------|
| 7X08A04WJP | JAPAN  | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666 | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None                      | None                | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A04XJP | JAPAN  | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None                      | None                | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |

ThinkSystem SR530 - Non TopSeller - LA

Product Specifications Reference (PSREF)

| Model      | Region | Processor   | Memory                      | Storage Controller | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Availible PCIe Slots   | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|-----------------------------|--------------------|---------|--------------------------|-------|------------|---------------------------|------------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X08A00HLA | LA     | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A01CLA | LA     | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A017LA | LA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A019LA | LA     | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A00KLA | LA     | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A00MLA | LA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A05DLA | LA     | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X08A05NLA | LA     | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |

## ThinkSystem SR530 - Non TopSeller - NA

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots   | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|-------|------------|---------------------------|------------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X08A05WNA | NA     | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A05XNA | NA     | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A05RNA | NA     | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A05SNA | NA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A05TNA | NA     | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A05PNA | NA     | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A05MNA | NA     | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A05KNA | NA     | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A05ENA | NA     | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A055NA | NA     | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A056NA | NA     | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A057NA | NA     | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A058NA | NA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X08A052NA | NA     | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP<br>x8/1xLP<br>x16 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |







| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks                                | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA    | Security | System Management      | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|--------------------------------------|------------|---------------------------|----------------------|--------------|----------|------------------------|--------------------|---------------|------------------|
| 7X04A02AAU | ANZ    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02BAU | ANZ    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | 2x300GB<br>HDD 10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02GAU | ANZ    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1xOnboard             | 12x3.5" | 8x3.5" SATA<br>SS        | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02JAU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02RAU | ANZ    | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02VAU | ANZ    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02WAU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02YAU | ANZ    | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A034AU | ANZ    | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A035AU | ANZ    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A039AU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03EAU | ANZ    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03KAU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | 2x300GB<br>HDD 10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03ZAU | ANZ    | 1xXeon Gold 6126T<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None         | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A040AU | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None         | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA    | Security | System Management      | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|-------|------------|---------------------------|----------------------|--------------|----------|------------------------|--------------------|---------------|------------------|
| 7X04A045AU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None         | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A046AU | ANZ    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None         | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A047AU | ANZ    | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None         | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A048AU | ANZ    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None         | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03SAU | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03TAU | ANZ    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03VAU | ANZ    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03WAU | ANZ    | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks                                | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|--------------------------------------|------------|---------------------------|----------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X04A00HEA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | 2x300GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00MEA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1xOnboard             | 12x3.5" | 8x3.5"<br>SATA<br>SS     | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00NEA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00QEA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00CEA | EMEA   | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00DEA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00FEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00AEA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A007EA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | 2x300GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A002EA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A003EA | EMEA   | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A01YEA | EMEA   | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A01ZEA | EMEA   | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A020EA | EMEA   | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A023EA | EMEA   | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA    | Security | System Management      | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|-----------------------|---------|--------------------------|-------|------------|---------------------------|----------------------|--------------|----------|------------------------|--------------------|---------------|------------------|
| 7X04A024EA | EMEA   | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A028EA | EMEA   | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A04BEA | EMEA   | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |

# ThinkSystem SR550 - TopSeller - JAPAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                      | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|-----------------------------|-----------------------|---------|--------------------------|-------|------------|---------------------------|----------------------|-----------|----------|----------------------|--------------------|---------------|------------------|
| 7X04A04EJP | JAPAN  | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X04A04FJP | JAPAN  | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X04A04GJP | JAPAN  | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X04A04HJP | JAPAN  | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133 | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X04A04JJP | JAPAN  | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133 | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller | Chassis | Disk Bays                | Disks                                | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|--------------------|---------|--------------------------|--------------------------------------|------------|---------------------------|----------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X04A04LLA | LA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400   | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | 3x4TB HDD<br>7.2K 3.5"<br>SAS12Gbps  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A04MLA | LA     | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400   | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | 3x600GB HDD<br>15K 3.5"<br>SAS12Gbps | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A05DLA | LA     | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A05FLA | LA     | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133 | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A04QLA | LA     | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400   | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | 3x4TB HDD<br>7.2K 3.5"<br>SAS12Gbps  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A04WLA | LA     | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400   | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | 3x600GB HDD<br>15K 3.5"<br>SAS12Gbps | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A04XLA | LA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | 2x2TB HDD<br>7.2K 3.5"<br>SAS12Gbps  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A050LA | LA     | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133 | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A052LA | LA     | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i           | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A058LA | LA     | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | 2x2TB HDD<br>7.2K 3.5"<br>SAS12Gbps  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A059LA | LA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | 2x600GB HDD<br>15K 3.5"<br>SAS12Gbps | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                       | Storage Controller     | Chassis | Disk Bays                 | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA | Security | System Management      | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|------------------------|---------|---------------------------|-------|------------|---------------------------|----------------------|-----------|----------|------------------------|--------------------|---------------|------------------|
| 7X04A02KNA | NA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02TNA | NA     | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02QNA | NA     | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|-------|------------|---------------------------|----------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X04A029AU | ANZ    | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02HAU | ANZ    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02SAU | ANZ    | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02XAU | ANZ    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A033AU | ANZ    | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A031AU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A037AU | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03AAU | ANZ    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03CAU | ANZ    | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03GAU | ANZ    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03HAU | ANZ    | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A041AU | ANZ    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A042AU | ANZ    | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A043AU | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A044AU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |



| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays                 | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|------------------------|---------|---------------------------|-------|------------|---------------------------|----------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X04A049AU | ANZ    | 1xXeon Gold 6126T<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03QAU | ANZ    | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03RAU | ANZ    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A04KAU | ANZ    | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

ThinkSystem SR550 - Non TopSeller - ASEAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                      | Storage Controller     | Chassis | Disk Bays                 | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|-----------------------------|------------------------|---------|---------------------------|-------|------------|---------------------------|----------------------|-----------|----------|----------------------|--------------------|---------------|------------------|
| 7X04A04TSG | ASEAN  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A017SG | ASEAN  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A01ASG | ASEAN  | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A01ESG | ASEAN  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A01XSG | ASEAN  | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A006SG | ASEAN  | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A008SG | ASEAN  | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00BSG | ASEAN  | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00KSG | ASEAN  | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00RSG | ASEAN  | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00SSG | ASEAN  | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00GSG | ASEAN  | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00VSG | ASEAN  | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00XSG | ASEAN  | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

ThinkSystem SR550 - Non TopSeller - Brazil

Product Specifications Reference (PSREF)

| Model      | Region | Processor   | Memory                       | Storage Controller | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|--------------------|---------|--------------------------|-------|------------|---------------------------|----------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X04A063BR | Brazil | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A064BR | Brazil | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A065BR | Brazil | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A066BR | Brazil | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A067BR | Brazil | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A068BR | Brazil | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A069BR | Brazil | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A06ABR | Brazil | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A06BBR | Brazil | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A06CBR | Brazil | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A06DBR | Brazil | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A06EBR | Brazil | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

## ThinkSystem SR550 - Non TopSeller - EMEA

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays                 | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|------------------------|---------|---------------------------|-------|------------|---------------------------|----------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X04A00JEA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00LEA | EMEA   | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00PEA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00EEA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A009EA | EMEA   | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A001EA | EMEA   | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A004EA | EMEA   | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A005EA | EMEA   | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A021EA | EMEA   | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A022EA | EMEA   | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A025EA | EMEA   | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A026EA | EMEA   | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A027EA | EMEA   | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A04AEA | EMEA   | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays                 | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|------------------------|---------|---------------------------|-------|------------|---------------------------|----------------------|-----------|----------|----------------------|--------------------|---------------|------------------|
| 7X04A02UCN | HTK    | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03PCN | HTK    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03UCN | HTK    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03JCN | HTK    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03FCN | HTK    | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03DCN | HTK    | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03BCN | HTK    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A038CN | HTK    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A032CN | HTK    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02ZCN | HTK    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A030CN | HTK    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A016CN | HTK    | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02MCN | HTK    | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02NCN | HTK    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A01FCN | HTK    | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                       | Storage Controller     | Chassis | Disk Bays                 | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|------------------------|---------|---------------------------|-------|------------|---------------------------|----------------------|-----------|----------|----------------------|--------------------|---------------|------------------|
| 7X04A01GCN | HTK    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A01JCN | HTK    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A01CCN | HTK    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A01DCN | HTK    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A01MCN | HTK    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02DCN | HTK    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02ECN | HTK    | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400       | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02FCN | HTK    | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400       | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A01PCN | HTK    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00WCN | HTK    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A00TCN | HTK    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                       | Storage Controller     | Chassis | Disk Bays                 | Disks | M.2 Drives | Networking (LOM/ML2/PCle) | Available PCIe Slots | Front VGA | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|------------------------|---------|---------------------------|-------|------------|---------------------------|----------------------|-----------|----------|----------------------|--------------------|---------------|------------------|
| 7X04A00USG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1xOnboard              | 12x3.5" | 8x3.5" SATA<br>SS         | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X04A00YSG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X04A00ZSG | INDIA  | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A010SG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X04A011SG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X04A012SG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x930-8i 2GB<br>flash  | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X04A013SG | INDIA  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X04A014SG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X04A015SG | INDIA  | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A01QSG | INDIA  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A01RSG | INDIA  | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A01SSG | INDIA  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X04A01TSG | INDIA  | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X04A01USG | INDIA  | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X04A01VSG | INDIA  | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | 2xGbE LOM                 | 1xLP x8              | None      | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays | Disks          | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA | Security | System Management | Power Supply         | Base Warranty      | Ann Date (mm/yy) |       |
|------------|--------|--|------------------------------|-----------------------|---------|-----------|----------------|------------|---------------------------|----------------------|-----------|----------|-------------------|----------------------|--------------------|------------------|-------|
| 7X04A01NSG | INDIA  | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"    | SATA/SAS<br>HS | Open       | None                      | 2xGbE LOM            | 1xLP x8   | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X04A01KSG | INDIA  | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"    | SATA/SAS<br>HS | Open       | None                      | 2xGbE LOM            | 1xLP x8   | None     | TPM 1.2           | XClarity<br>Standard | 1x550W<br>Platinum | 3-year           | 07/17 |



# ThinkSystem SR550 - Non TopSeller - JAPAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                      | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|-----------------------------|-----------------------|---------|--------------------------|-------|------------|---------------------------|----------------------|-----------|----------|----------------------|--------------------|---------------|------------------|
| 7X04A04CJP | JAPAN  | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A04DJP | JAPAN  | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666 | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

## ThinkSystem SR550 - Non TopSeller - LA

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                      | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|-----------------------------|-----------------------|---------|--------------------------|-------|------------|---------------------------|----------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X04A03XLA | LA     | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03YLA | LA     | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02PLA | LA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02LLA | LA     | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A036LA | LA     | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03LLA | LA     | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03MLA | LA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A03NLA | LA     | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A02CLA | LA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A05CLA | LA     | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A05ELA | LA     | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A05GLA | LA     | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A05HLA | LA     | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X04A054LA | LA     | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

## ThinkSystem SR550 - Non TopSeller - NA

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                    | Storage Controller     | Chassis | Disk Bays                 | Disks | M.2 Drives | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA    | Security | System Management | Power Supply    | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|---------------------------|------------------------|---------|---------------------------|-------|------------|---------------------------|----------------------|--------------|----------|-------------------|-----------------|---------------|------------------|
| 7X04A05ANA | NA     | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity Standard | 1x750W Platinum | 3-year        | 07/17            |
| 7X04A05BNA | NA     | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity Standard | 1x750W Platinum | 3-year        | 07/17            |
| 7X04A055NA | NA     | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity Standard | 1x750W Platinum | 3-year        | 07/17            |
| 7X04A056NA | NA     | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity Standard | 1x750W Platinum | 3-year        | 07/17            |
| 7X04A057NA | NA     | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity Standard | 1x750W Platinum | 3-year        | 07/17            |
| 7X04A053NA | NA     | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity Standard | 1x750W Platinum | 3-year        | 07/17            |
| 7X04A051NA | NA     | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity Standard | 1x750W Platinum | 3-year        | 07/17            |
| 7X04A04YNA | NA     | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x16GB RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity Standard | 1x750W Platinum | 3-year        | 07/17            |
| 7X04A04ZNA | NA     | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 1xLP x8              | None         | TPM 1.2  | XClarity Standard | 1x750W Platinum | 3-year        | 07/17            |
| 7X04A05JNA | NA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity Standard | 1x750W Platinum | 3-year        | 07/17            |
| 7X04A04NNA | NA     | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity Standard | 1x750W Platinum | 3-year        | 07/17            |
| 7X04A04PNA | NA     | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666  | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity Standard | 1x750W Platinum | 3-year        | 07/17            |
| 7X04A04UNA | NA     | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity Standard | 1x750W Platinum | 3-year        | 07/17            |
| 7X04A04VNA | NA     | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None                      | 3xFHHL<br>x8/1xLP x8 | Front<br>VGA | TPM 1.2  | XClarity Standard | 1x750W Platinum | 3-year        | 07/17            |

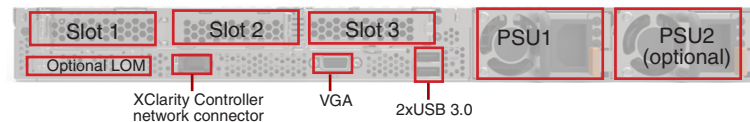


# ThinkSystem SR630 Platform Specifications

Product Specifications Reference (PSREF)

| Components  | Specification   |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|---|---|---|-----------------------------------|------------------|-------------|-------|------------------|------------------|----------|---------|--------|------------|----------|-------------|-----|------|------|-----|---|--------|------------|----------|-------------|-----|-----|------|----|---|--------|------------|----------|------------------|-----|-----|--------------|-----|---|---------|------------|----------|------------------|-----|-----|--------------|-----|---|--------|------------|----------|---|-----|------|------|---|---|---------|------------|----------|---|-----|------|------|---|---|--------|------------|----------|------------------|-----|-----|--------------|-----|---|--------|------------|----------|---|-----|------|------|---|---|---------|------------|----------|---|-----|------|------|---|---|
| Form factor   | 1U rack   |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Dimensions  | Height: 43 mm (1.7 in). Width: 482 mm (19.0 in) with rack latches. Depth: 778.3 mm (30.64 in)   |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Weight  | Maximum configuration: 41.9 lb (19 kg)  |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Processor   | Up to two 205W Intel Xeon Scalable family processors, Bronze, Silver, Gold, or Platinum. Up to 28 cores at 2.5GHz, up to 3.6GHz with 4 cores. Two processors are connected with two UPI (Ultra Path Interconnect) links up to 10.4GT/s  |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Chipset   | Intel C624 Platform Controller Hub  |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Memory  | Up to 24 DIMM sockets. Each processor supports up to 12 DIMM sockets with 6 channels. DDR4-2666. RDIMMs, LRDIMMs, 3DS RDIMMs are supported, but memory types cannot be intermixed. 3DS RDIMM is planned to available later  |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Memory capacity   | Up to 768GB with 24 x 32 GB RDIMMs and two processors. Or up to 1.5TB with 24 x 64 GB LRDIMMs and two processors. Or up to 3TB with 24 x 128 GB 3DS LRDIMMs and two -M suffix processors. -M suffix processor supports 1.5TB memory per socket, non -M suffix processor supports 768GB memory per socket  |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Memory protection   | ECC, memory mirroring, and memory sparing   |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Storage controllers   | One dedicated internal RAID slot for most RAID/HBA adapters. Supports the following RAID/HBA adapters:  |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Interface</th> <th>Drive type</th> <th>RAID levels</th> <th>JBOD</th> <th>Cache</th> <th>Cache protection</th> <th>FastPath</th> <th>Max qty</th> </tr> </thead> <tbody> <tr> <td>530-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50</td> <td>Yes</td> <td>None</td> <td>None</td> <td>Yes</td> <td>1</td> </tr> <tr> <td>730-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50</td> <td>Yes</td> <td>1GB</td> <td>None</td> <td>No</td> <td>1</td> </tr> <tr> <td>930-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50/6/60</td> <td>Yes</td> <td>2GB</td> <td>Flash backup</td> <td>Yes</td> <td>1</td> </tr> <tr> <td>930-16i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50/6/60</td> <td>Yes</td> <td>4GB</td> <td>Flash backup</td> <td>Yes</td> <td>1</td> </tr> <tr> <td>430-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>1</td> </tr> <tr> <td>430-16i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>1</td> </tr> <tr> <td>930-8e</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50/6/60</td> <td>Yes</td> <td>4GB</td> <td>Flash backup</td> <td>Yes</td> <td>2</td> </tr> <tr> <td>430-8e</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>2</td> </tr> <tr> <td>430-16e</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>2</td> </tr> </tbody> </table> | Feature   | Interface                         | Drive type       | RAID levels | JBOD  | Cache            | Cache protection | FastPath | Max qty | 530-8i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50 | Yes | None | None | Yes | 1 | 730-8i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50 | Yes | 1GB | None | No | 1 | 930-8i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50/6/60 | Yes | 2GB | Flash backup | Yes | 1 | 930-16i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50/6/60 | Yes | 4GB | Flash backup | Yes | 1 | 430-8i | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 1 | 430-16i | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 1 | 930-8e | 12Gbps SAS | SATA/SAS | 0/1/10/5/50/6/60 | Yes | 4GB | Flash backup | Yes | 2 | 430-8e | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 2 | 430-16e | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 2 |
|   | Feature   | Interface   | Drive type                        | RAID levels      | JBOD        | Cache | Cache protection | FastPath         | Max qty  |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 530-8i  | 12Gbps SAS  | SATA/SAS                          | 0/1/10/5/50      | Yes         | None  | None             | Yes              | 1        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 730-8i  | 12Gbps SAS  | SATA/SAS                          | 0/1/10/5/50      | Yes         | 1GB   | None             | No               | 1        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 930-8i  | 12Gbps SAS  | SATA/SAS                          | 0/1/10/5/50/6/60 | Yes         | 2GB   | Flash backup     | Yes              | 1        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 930-16i   | 12Gbps SAS  | SATA/SAS                          | 0/1/10/5/50/6/60 | Yes         | 4GB   | Flash backup     | Yes              | 1        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 430-8i  | 12Gbps SAS  | SATA/SAS                          | -                | Yes         | None  | None             | -                | 1        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 430-16i   | 12Gbps SAS  | SATA/SAS                          | -                | Yes         | None  | None             | -                | 1        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 930-8e  | 12Gbps SAS  | SATA/SAS                          | 0/1/10/5/50/6/60 | Yes         | 4GB   | Flash backup     | Yes              | 2        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| 430-8e  | 12Gbps SAS  | SATA/SAS  | -                                 | Yes              | None        | None  | -                | 2                |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| 430-16e   | 12Gbps SAS  | SATA/SAS  | -                                 | Yes              | None        | None  | -                | 2                |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| <i>Note: 730-8i is available in China only. 930-8e, 430-8e, and 430-16e will be placed in slot 2 firstly.</i> |   |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Disk drive bays   | Supports 4 front 3.5" SATA/SAS HS bays, or 8 front 2.5" SATA/SAS HS bays, or 10 front 2.5" SATA/SAS HS bays with 4 AnyBay support. 10 front 2.5" AnyBay will be available later.<br>Optional 2 rear 2.5" HS bays are supported on 10 x 2.5" model, takes place in riser card 1 location.<br>Optional one or two internal M.2 SSD for boot, dual M.2 SSD supports mirroring  |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Internal storage  | For 3.5" bay  |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 3.5" HDD, SATA6Gbps, 7.2K   | 1TB/2TB/4TB/6TB/8TB/10TB                          |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | (3.5" disks or 2.5" disks with 3.5" tray)   | 3.5" HDD, SAS12Gbps, 7.2K                         | 1TB/2TB/4TB/6TB SED FIPS/6TB/10TB |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 2.5" HDD, SAS12Gbps, 15K  | 300GB/600GB                                       |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 2.5" SSD, SATA6Gbps   | 240GB/480GB                                       |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 2.5" HDD, SATA6Gbps, 7.2K   | 1TB/2TB   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 2.5" HDD, SAS12Gbps, 7.2K   | 1TB/2TB   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 2.5" HDD, SAS12Gbps, 10K  | 300GB/300GB SED/600GB/600GB SED/900GB/1.2TB/1.8TB |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | For 2.5" bay  | 2.5" HDD, SAS12Gbps, 15K                          | 300GB/600GB/900GB                 |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 2.5" SSD, SAS12Gbps   | 400GB/800GB/3.84TB/7.68TB                         |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| 2.5" SSD, SATA6Gbps   | 240GB/480GB   |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| 2.5" NVMe SSD, AnyBay   | 800GB/960GB/1.6TB/1.92TB/3.84TB   |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| PCIe 3.0 x4, HHHL adapter   | NVMe SSD  | 1.6TB/1.92TB/3.2TB/3.84TB                         |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| M.2 boot drive  | M.2 SATA SSD  | 32GB/128GB  |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Optical   | No internal optical bay. Optional USB DVD±RW optical drive  |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Network interfaces  | One dedicated management port. One LOM slot for customized LOM with up to four RJ-45 or SFP+ ports, up to 10GbE. Wake-on-LAN and NC-SI are available on Port 0 of LOM. Optional ML2 or PCIe adapters are supported. ML2 adapter requires riser card with ML2 slot.  |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Security features   | Power-on and admin password. Trusted Platform Module, TCG 1.2 compliant, upgrade to 2.0 via UEFI setting. Optional TCM in China only. Optional lockable security bezel  |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Operating systems supported   | Microsoft Windows Server 2016/2012 R2. Red Hat Enterprise Linux 7.3/6.9. SUSE Linux Enterprise Server 12 SP2/11 SP4. VMware vSphere (ESXi) 6.5/6.0 U3   |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Systems management  | XClarity Controller Standard, optional upgrades to Advanced or Enterprise are available. Energy Manager. XClarity Administrator. Lenovo Capacity Planner. Provisioning Manager. Essentials. Light Path Diagnostics  |   |                                   |                  |             |       |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |

| Components                  | Specification  |   |
|-----------------------------|--|---|
| GPU support                 | Up to one optional GPU, requires riser card with PCIe x16 full height slot. Supports NVIDIA Quadro P2000   |   |
| Base warranty               | MT 7X01: 1-year limited onsite service with 9x5/NBD<br>MT 7X02: 3-year limited onsite service with 9x5/NBD   |   |
| Power supply                | Up to two redundant hot-swap 550W/750W/1100W 80 PLUS Platinum qualified power supplies. Or up to two redundant hot-swap 750W Titanium qualified power supplies. 750W Titanium is 200V - 240V, others are 100V - 240V   |   |
| Video                       | Integrated Matrox G200 in XClarity Controller  |   |
| Cooling                     | Five fans (4+1) for single processor model, seven fans (6+1) for dual processor model  |   |
| Front ports                 | One XClarity Controller USB connector, one USB 3.0, one optional VGA   |   |
| Rear ports                  | One VGA, two USB 3.0, one XClarity Controller network connector. Optional COM port   |   |
| Environmental specification | Supports ASHRAE A4 with limitations.   |   |
|                             | Temperature - operating  | A4: 5°C to 45°C (41°F to 113°F)<br>A3: 5°C to 40°C (41°F to 104°F)<br>A2: 10°C to 35°C (50°F to 95°F)   |
|                             | Temperature - non operating (no package)   | -10°C to 60°C (14°F to 140°F)   |
|                             | Temperature - non operating (with package)   | -40°C to 70°C (-40°F to 158°F)  |
|                             | Altitude - operating   | (Unpressurized): 0-10000ft (0-3048m)  |
|                             | Humidity - operating, non-condensing   | A4: 8%-90%. A3: 8%-85%. A2: 20%-80%   |
|                             | Humidity - storage (with package), non-condensing  | 8%-90%  |
|                             | <i>Models should meet the following requirements to support A3 and A4:</i>   |   |
|                             | <ul style="list-style-type: none"> <li>Processors with TDP higher than or equal to 150-Watt and Xeon 4112, 5122, 6126, 6128, 6132, 6134, 6134M, and 8156 processors not installed</li> <li>Both NVMe 2.5" SSD and NVMe PCIe adapter not installed</li> <li>GPU not installed</li> <li>Must have redundant PSU</li> <li>RAID super capacitor module cannot be installed on the bottom of the air baffle, but only can be installed on the chassis.</li> </ul> |   |
|                             | Environmental certification  | Energy Star Server 2.1 certified. More environmental information please see: <a href="http://www.lenovo.com/social_responsibility/us/en/environment/">www.lenovo.com/social_responsibility/us/en/environment/</a> |



| Expansion slots         | Specification  |
|-------------------------|--|
| Slot 1-2 (riser card 1) | Supports one of the following for riser card 1:<br>Option 1: PCIe 3.0 x8/x16 (slot 1-2). Low profile for x8, low profile or full height half length for x16<br>Option 2: PCIe 3.0 x8 ML2/x16 (slot 1-2). Low profile for x8 ML2, low profile or full height half length for x16<br>Option 3: PCIe 3.0 x16 ML2/x8 (slot 1-2). Low profile for x16 ML2, low profile or full height half length for x8<br>Option 4: 2x 2.5" drive bay, for 10 x 2.5" model only |
| Slot 3 (riser card 2)   | PCIe 3.0 x 16, low profile, requires 2nd CPU. When slot 2 is full height, slot 3 cannot be used  |

| System unique options | Specification  |
|-----------------------|--|
| 7XH7A05896            | Lenovo SR530/SR570/SR630 2.5" SATA/SAS 8-Bay Backplane Kit |
| 7XH7A05893            | Lenovo SR530/SR570/SR630 x8/x16 PCIe LP+FH Riser 1 Kit     |
| 7XH7A05895            | Lenovo SR630 x16ML2/x8 PCIe LP+FH Riser 1 Kit              |
| 7XH7A05894            | Lenovo SR630 x8ML2/x16 PCIe LP+FH Riser 1 Kit              |
| 7XH7A02682            | Lenovo SR530/SR570/SR630 x8/x16 PCIe LP+LP Riser 1 Kit     |
| 7XH7A02683            | Lenovo SR630 x8ML2/x16 PCIe LP+LP Riser 1 Kit              |
| 7XH7A02684            | Lenovo SR630 x16ML2/x8 PCIe LP+LP Riser 1 Kit              |
| 7XH7A02685            | Lenovo SR530/SR570/SR630 x16 PCIe LP Riser 2 Kit           |
| 7XH7A06252            | Lenovo SR630 Rear HDD Kit                                  |
| 7Z17A02577            | Lenovo COM Port Upgrade Kit                                |
| 7Z17A02579            | Lenovo SR530/SR570/SR630 Front VGA Connector Upgrade Kit   |
| 7Z17A02581            | Lenovo 1U Security Bezel                                   |

| Model      | Region | Processor  | Memory                    | Storage Controller     | Chassis | Disk Bays                                  | Disks                                | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots               | Front VGA    | Security | System Management      | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|---------------------------|------------------------|---------|--|--------------------------------------|------------|------|---------------------------|------------------------------------|--------------|----------|------------------------|--------------------|---------------|------------------|
| 7X02A03TAU | ANZ    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | 3x300GB<br>HDD 10K 2.5"<br>SAS12Gbps | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A041AU | ANZ    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A042AU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03VAU | ANZ    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB RDIMM<br>DDR4-2666 | 1x530-8i               | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A048AU | ANZ    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open                                 | None       | None | None                      | 1xRAID slot<br>slot                | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A049AU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open                                 | None       | None | None                      | 1xRAID slot<br>slot                | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04DAU | ANZ    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x8GB RDIMM<br>DDR4-2666  | 1x530-8i               | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04GAU | ANZ    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04KAU | ANZ    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04RAU | ANZ    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04WAU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB RDIMM<br>DDR4-2666 | 1x530-8i               | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A051AU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 4x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open                                 | 2x32GB     | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A054AU | ANZ    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | 2x300GB<br>HDD 10K 2.5"<br>SAS12Gbps | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A055AU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 10x2.5" | 10x2.5" HS<br>(6<br>SATA/SAS,<br>4 AnyBay) | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A056AU | ANZ    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays                               | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots               | Front VGA    | Security | System Management      | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|------------------------|---------|---|-------|------------|------|---------------------------|------------------------------------|--------------|----------|------------------------|--------------------|---------------|------------------|
| 7X02A057AU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 10x2.5" | 10x2.5" HS (6<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A059AU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays                                     | Disks                                | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots               | Front VGA    | Security | System Management      | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|------------------------|---------|---|--------------------------------------|------------|------|---------------------------|------------------------------------|--------------|----------|------------------------|--------------------|---------------|------------------|
| 7X02A00HEA | EMEA   | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                      | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A006EA | EMEA   | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                      | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A008EA | EMEA   | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                      | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A00QEA | EMEA   | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 10x2.5" | 10x2.5"<br>HS<br>(6<br>SATA/SAS,<br>4 AnyBay) | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A01QEA | EMEA   | 2xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x430-8i               | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                      | Open                                 | 2x32GB     | None | None                      | 1xLP x8/2xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04GEA | EMEA   | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                      | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04DEA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                      | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A049EA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                      | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A048EA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                      | Open                                 | None       | None | None                      | 1xRAID slot                        | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03VEA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                      | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A042EA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                      | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03TEA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                      | 3x300GB<br>HDD 10K 2.5"<br>SAS12Gbps | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A02VEA | EMEA   | 2xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x430-8i               | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                      | Open                                 | 2x32GB     | None | None                      | 1xLP x8/2xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A05AEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                      | 3x1.2TB HDD<br>10K 2.5"<br>SAS12Gbps | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A057EA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 10x2.5" | 10x2.5"<br>HS<br>(6<br>SATA/SAS,<br>4 AnyBay) | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |



| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks                                | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots               | Front VGA    | Security | System Management      | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|--------------------------------------|------------|------|---------------------------|------------------------------------|--------------|----------|------------------------|--------------------|---------------|------------------|
| 7X02A056EA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A054EA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | 2x300GB<br>HDD 10K 2.5"<br>SAS12Gbps | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A051EA | EMEA   | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | 2x32GB     | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04WEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04KEA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |

ThinkSystem SR630 - TopSeller - JAPAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays | Disks          | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA                          | Security | System Management | Power Supply         | Base Warranty      | Ann Date (mm/yy) |       |
|------------|--------|--|------------------------------|-----------------------|---------|-----------|----------------|------------|------|---------------------------|----------------------|------------------------------------|----------|-------------------|----------------------|--------------------|------------------|-------|
| 7X02A01WJP | JAPAN  | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 4x3.5"  | 4x3.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x550W<br>Platinum | 3-year           | 07/17 |
| 7X02A02RJP | JAPAN  | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x550W<br>Platinum | 3-year           | 07/17 |
| 7X02A02SJP | JAPAN  | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x550W<br>Platinum | 3-year           | 07/17 |
| 7X02A02TJP | JAPAN  | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x550W<br>Platinum | 3-year           | 07/17 |
| 7X02A02CJP | JAPAN  | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x550W<br>Platinum | 3-year           | 07/17 |

ThinkSystem SR630 - TopSeller - LA

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays | Disks          | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA                          | Security     | System Management | Power Supply         | Base Warranty      | Ann Date (mm/yy) |       |
|------------|--------|--|------------------------------|-----------------------|---------|-----------|----------------|------------|------|---------------------------|----------------------|------------------------------------|--------------|-------------------|----------------------|--------------------|------------------|-------|
| 7X02A02LLA | LA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | None                 | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A038LA | LA     | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | None                 | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |

# ThinkSystem SR630 - TopSeller - NA

Product Specifications Reference (PSREF)

| Model      | Region | Processor   | Memory                       | Storage Controller | Chassis | Disk Bays | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA    | Security | System Management      | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|--------------------|---------|-----------|-------|------------|------|---------------------------|----------------------|--------------|----------|------------------------|--------------------|---------------|------------------|
| 7X02A03UNA | NA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | None               | 8x2.5"  | Non<br>BP | None  | None       | None | None                      | 1xRAID slot<br>slot  | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04YNA | NA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x32GB<br>RDIMM<br>DDR4-2666 | None               | 8x2.5"  | Non<br>BP | None  | None       | None | None                      | 1xRAID slot<br>slot  | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04JNA | NA     | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400 | 1x32GB<br>RDIMM<br>DDR4-2666 | None               | 8x2.5"  | Non<br>BP | None  | None       | None | None                      | 1xRAID slot<br>slot  | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model       | Region | Processor   | Memory                       | Storage Controller     | Chassis | Disk Bays                                  | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots               | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|-------------|--------|---|------------------------------|------------------------|---------|--|-------|------------|------|---------------------------|------------------------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X02A00ZAU  | ANZ    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X02A01SAU  | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A01UUAU | ANZ    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A020AU  | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X02A022AU  | ANZ    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X02A023AU  | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 10x2.5" | 10x2.5" HS<br>(6<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A01XAU  | ANZ    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X02A026AU  | ANZ    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X02A02MAU  | ANZ    | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X02A02PAU  | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X02A030AU  | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X02A032AU  | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X02A033AU  | ANZ    | 1xXeon Gold 6142<br>16C/2.6GHz/22MB/150W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X02A034AU  | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X02A035AU  | ANZ    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                                  | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots               | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--|-------|------------|------|---------------------------|------------------------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X02A03DAU | ANZ    | 1xXeon Gold 6154<br>18C/3.0GHz/24.75MB/200W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X02A03EAU | ANZ    | 1xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03FAU | ANZ    | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03GAU | ANZ    | 1xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03HAU | ANZ    | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03JAU | ANZ    | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03KAU | ANZ    | 2xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 2x32GB<br>RDIMM<br>DDR4-2666 | 1x430-16i             | 10x2.5" | 10x2.5" HS<br>(6<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | None                      | 1xLP x8/2xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03LAU | ANZ    | 1xXeon Gold 6142<br>16C/2.6GHz/22MB/150W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03MAU | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03NAU | ANZ    | 1xXeon Gold 6126T<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03PAU | ANZ    | 1xXeon Gold 6150<br>18C/2.7GHz/24.75MB/165W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03SAU | ANZ    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A040AU | ANZ    | 2xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 2x32GB<br>RDIMM<br>DDR4-2666 | 1x430-16i             | 10x2.5" | 10x2.5" HS<br>(6<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04AAU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04FAU | ANZ    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                       | Storage Controller     | Chassis | Disk Bays                               | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots               | Front VGA | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|------------------------|---------|---|-------|------------|------|---------------------------|------------------------------------|-----------|----------|----------------------|--------------------|---------------|------------------|
| 7X02A04HAU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 10x2.5" | 10x2.5" HS (6<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04LAU | ANZ    | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133    | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04UAU | ANZ    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS                | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A050AU | ANZ    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04XAU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A058AU | ANZ    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

ThinkSystem SR630 - Non TopSeller - ASEAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor   | Memory                    | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots               | Front VGA    | Security | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|---------------------------|-----------------------|---------|--------------------------|-------|------------|------|---------------------------|------------------------------------|--------------|----------|----------------------|---------------------|---------------|------------------|
| 7X02A00KSG | ASEAN  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X02A00LSG | ASEAN  | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X02A00MSG | ASEAN  | 1xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666 | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X02A00NSG | ASEAN  | 1xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666  | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X02A00SSG | ASEAN  | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666 | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X02A001SG | ASEAN  | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X02A00BSG | ASEAN  | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X02A00DSG | ASEAN  | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X02A00FSG | ASEAN  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |



| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays                                  | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots               | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|------------------------|---------|--|-------|------------|------|---------------------------|------------------------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X02A00GEA | EMEA   | 1xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A00JEA | EMEA   | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A00EEA | EMEA   | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A00CEA | EMEA   | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A002EA | EMEA   | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 10x2.5" | 10x2.5" HS<br>(6<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A003EA | EMEA   | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A004EA | EMEA   | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A005EA | EMEA   | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A007EA | EMEA   | 1xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A009EA | EMEA   | 1xXeon Gold 6150<br>18C/2.7GHz/24.75MB/165W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A00AEA | EMEA   | 2xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 2x32GB<br>RDIMM<br>DDR4-2666 | 1x430-16i              | 10x2.5" | 10x2.5" HS<br>(6<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | None                      | 1xLP x8/2xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A00PEA | EMEA   | 1xXeon Gold 6142<br>16C/2.6GHz/22MB/150W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A00REA | EMEA   | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04BEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 10x2.5" | 10x2.5" HS<br>(6<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03WEA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 4x3.5"  | 4x3.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                               | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots               | Front VGA | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|---|-------|------------|------|---------------------------|------------------------------------|-----------|----------|----------------------|--------------------|---------------|------------------|
| 7X02A043EA | EMEA   | 2xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 2x32GB<br>RDIMM<br>DDR4-2666 | 1x430-16i             | 10x2.5" | 10x2.5" HS (6<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A044EA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A045EA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A046EA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A052EA | EMEA   | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04VEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03ZEA | EMEA   | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A04TEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays | Disks          | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA                               | Security | System Management | Power Supply         | Base Warranty      | Ann Date (mm/yy) |       |
|------------|--------|--|------------------------------|-----------------------|---------|-----------|----------------|------------|------|---------------------------|----------------------|---|----------|-------------------|----------------------|--------------------|------------------|-------|
| 7X02A04MCN | HTK    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A04NCN | HTK    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A04PCN | HTK    | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A04QCN | HTK    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A04SCN | HTK    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A053CN | HTK    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A04ZCN | HTK    | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A047CN | HTK    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A03XCN | HTK    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A03YCN | HTK    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A03ACN | HTK    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | 1xQuadro<br>P2000         | 4xGbE RJ-45 LOM      | 1xLP<br>x8/1xFHHL<br>x16/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A04CCN | HTK    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A04ECN | HTK    | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A03QCN | HTK    | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A03RCN | HTK    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |

| Model      | Region | Processor   | Memory                       | Storage Controller    | Chassis | Disk Bays | Disks          | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA                               | Security     | System Management | Power Supply         | Base Warranty      | Ann Date (mm/yy) |       |
|------------|--------|---|------------------------------|-----------------------|---------|-----------|----------------|------------|------|---------------------------|----------------------|---|--------------|-------------------|----------------------|--------------------|------------------|-------|
| 7X02A036CN | HTK    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | 1xQuadro<br>P2000         | 4xGbE RJ-45 LOM      | 1xLP<br>x8/1xFHHL<br>x16/1xRAID<br>slot | None         | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A037CN | HTK    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | 1xQuadro<br>P2000         | 4xGbE RJ-45 LOM      | 1xLP<br>x8/1xFHHL<br>x16/1xRAID<br>slot | None         | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A02QCN | HTK    | 1xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | 1xQuadro<br>P2000         | 4xGbE RJ-45 LOM      | 1xLP<br>x8/1xFHHL<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A02KCN | HTK    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None         | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A028CN | HTK    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None         | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A01RCN | HTK    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None         | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A01BCN | HTK    | 1xXeon Gold 6138T<br>20C/2.0GHz/27.5MB/125W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | 1xQuadro<br>P2000         | 4xGbE RJ-45 LOM      | 1xLP<br>x8/1xFHHL<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A00XCN | HTK    | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | 1xQuadro<br>P2000         | 4xGbE RJ-45 LOM      | 1xLP<br>x8/1xFHHL<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A00YCN | HTK    | 1xXeon Gold 6142<br>16C/2.6GHz/22MB/150W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | 1xQuadro<br>P2000         | 4xGbE RJ-45 LOM      | 1xLP<br>x8/1xFHHL<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A018CN | HTK    | 1xXeon Gold 6136<br>12C/3.0GHz/24.75MB/150W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | 1xQuadro<br>P2000         | 4xGbE RJ-45 LOM      | 1xLP<br>x8/1xFHHL<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A019CN | HTK    | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | 1xQuadro<br>P2000         | 4xGbE RJ-45 LOM      | 1xLP<br>x8/1xFHHL<br>x16/1xRAID<br>slot | None         | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A01DCN | HTK    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | 1xQuadro<br>P2000         | 4xGbE RJ-45 LOM      | 1xLP<br>x8/1xFHHL<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A01ECN | HTK    | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | 1xQuadro<br>P2000         | 4xGbE RJ-45 LOM      | 1xLP<br>x8/1xFHHL<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A01YCN | HTK    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot      | None         | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X02A02ACN | HTK    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | 1xQuadro<br>P2000         | 4xGbE RJ-45 LOM      | 1xLP<br>x8/1xFHHL<br>x16/1xRAID<br>slot | None         | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |

| Model      | Region | Processor   | Memory                    | Storage Controller    | Chassis | Disk Bays | Disks       | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots            | Front VGA                            | Security  | System Management | Power Supply      | Base Warranty   | Ann Date (mm/yy) |       |
|------------|--------|---|---------------------------|-----------------------|---------|-----------|-------------|------------|------|---------------------------|---------------------------------|--------------------------------------|-----------|-------------------|-------------------|-----------------|------------------|-------|
| 7X02A02BCN | HTK    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | 1xQuadro P2000            | 4xGbE RJ-45 LOM                 | 1xLP<br>x8/1xFHHL<br>x16/1xRAID slot | None      | TPM 1.2           | XClarity Standard | 1x750W Platinum | 3-year           | 07/17 |
| 7X02A01TCN | HTK    | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"    | SATA/SAS HS | Open       | None | None                      | 4xGbE RJ-45 LOM                 | 1xLP x8/1xLP<br>x16/1xRAID slot      | None      | TPM 1.2           | XClarity Standard | 1x750W Platinum | 3-year           | 07/17 |
| 7X02A00TCN | HTK    | 1xXeon Gold 6132<br>14C/2.6GHz/19.25MB/140W/DDR4-2666 | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | 1xQuadro P2000            | 4xGbE RJ-45 LOM                 | 1xLP<br>x8/1xFHHL<br>x16/1xRAID slot | Front VGA | TPM 1.2           | XClarity Standard | 1x750W Platinum | 3-year           | 07/17 |
| 7X02A00VCN | HTK    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | None                  | 8x2.5"  | Non BP    | None        | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID slot | Front VGA                            | TPM 1.2   | XClarity Standard | 1x750W Platinum   | 3-year          | 07/17            |       |
| 7X02A010CN | HTK    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"    | SATA/SAS HS | Open       | None | None                      | 4xGbE RJ-45 LOM                 | 1xLP x8/1xLP<br>x16/1xRAID slot      | None      | TPM 1.2           | XClarity Standard | 1x750W Platinum | 3-year           | 07/17 |
| 7X02A011CN | HTK    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 4x3.5"  | 4x3.5"    | SATA/SAS HS | Open       | None | None                      | 4xGbE RJ-45 LOM                 | 1xLP x8/1xLP<br>x16/1xRAID slot      | None      | TPM 1.2           | XClarity Standard | 1x750W Platinum | 3-year           | 07/17 |
| 7X02A013CN | HTK    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | 1xQuadro P2000            | 4xGbE RJ-45 LOM                 | 1xLP<br>x8/1xFHHL<br>x16/1xRAID slot | Front VGA | TPM 1.2           | XClarity Standard | 1x750W Platinum | 3-year           | 07/17 |
| 7X02A014CN | HTK    | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | 1xQuadro P2000            | 4xGbE RJ-45 LOM                 | 1xLP<br>x8/1xFHHL<br>x16/1xRAID slot | Front VGA | TPM 1.2           | XClarity Standard | 1x750W Platinum | 3-year           | 07/17 |
| 7X02A015CN | HTK    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | 1xQuadro P2000            | 4xGbE RJ-45 LOM                 | 1xLP<br>x8/1xFHHL<br>x16/1xRAID slot | Front VGA | TPM 1.2           | XClarity Standard | 1x750W Platinum | 3-year           | 07/17 |
| 7X02A016CN | HTK    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400   | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | 1xQuadro P2000            | 4xGbE RJ-45 LOM                 | 1xLP<br>x8/1xFHHL<br>x16/1xRAID slot | Front VGA | TPM 1.2           | XClarity Standard | 1x750W Platinum | 3-year           | 07/17 |

ThinkSystem SR630 - Non TopSeller - INDIA

Product Specifications Reference (PSREF)

| Model      | Region | Processor   | Memory                    | Storage Controller    | Chassis | Disk Bays | Disks       | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA           | Security     | System Management | Power Supply      | Base Warranty   | Ann Date (mm/yy) |       |
|------------|--------|---|---------------------------|-----------------------|---------|-----------|-------------|------------|------|---------------------------|----------------------|---------------------|--------------|-------------------|-------------------|-----------------|------------------|-------|
| 7X02A017SG | INDIA  | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x8GB RDIMM<br>DDR4-2666  | 1x530-8i              | 4x3.5"  | 4x3.5"    | SATA/SAS HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xRAID slot<br>slot | Front<br>VGA | TPM 1.2           | XClarity Standard | 1x550W Platinum | 3-year           | 07/17 |
| 7X02A00WSG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xRAID slot<br>slot | Front<br>VGA | TPM 1.2           | XClarity Standard | 1x550W Platinum | 3-year           | 07/17 |
| 7X02A00USG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xRAID slot<br>slot | Front<br>VGA | TPM 1.2           | XClarity Standard | 1x550W Platinum | 3-year           | 07/17 |
| 7X02A027SG | INDIA  | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x8GB RDIMM<br>DDR4-2666  | 1x530-8i              | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xRAID slot<br>slot | Front<br>VGA | TPM 1.2           | XClarity Standard | 1x550W Platinum | 3-year           | 07/17 |
| 7X02A01FSG | INDIA  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB RDIMM<br>DDR4-2666 | 1x530-8i              | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xRAID slot<br>slot | Front<br>VGA | TPM 1.2           | XClarity Standard | 1x550W Platinum | 3-year           | 07/17 |
| 7X02A01GSG | INDIA  | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400   | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xRAID slot<br>slot | Front<br>VGA | TPM 1.2           | XClarity Standard | 1x550W Platinum | 3-year           | 07/17 |
| 7X02A01HSG | INDIA  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xRAID slot<br>slot | Front<br>VGA | TPM 1.2           | XClarity Standard | 1x550W Platinum | 3-year           | 07/17 |
| 7X02A01JSG | INDIA  | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xRAID slot<br>slot | Front<br>VGA | TPM 1.2           | XClarity Standard | 1x550W Platinum | 3-year           | 07/17 |
| 7X02A01CSG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x8GB RDIMM<br>DDR4-2666  | 1x530-8i              | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xRAID slot<br>slot | Front<br>VGA | TPM 1.2           | XClarity Standard | 1x550W Platinum | 3-year           | 07/17 |
| 7X02A02WSG | INDIA  | 1xXeon Gold 6142<br>16C/2.6GHz/22MB/150W/DDR4-2666    | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xRAID slot<br>slot | Front<br>VGA | TPM 1.2           | XClarity Standard | 1x550W Platinum | 3-year           | 07/17 |
| 7X02A02USG | INDIA  | 1xXeon Gold 6154<br>18C/3.0GHz/24.75MB/200W/DDR4-2666 | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xRAID slot<br>slot | Front<br>VGA | TPM 1.2           | XClarity Standard | 1x550W Platinum | 3-year           | 07/17 |
| 7X02A02ZSG | INDIA  | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 1xRAID slot<br>slot | Front<br>VGA | TPM 1.2           | XClarity Standard | 1x550W Platinum | 3-year           | 07/17 |

ThinkSystem SR630 - Non TopSeller - JAPAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                    | Storage Controller     | Chassis | Disk Bays                                  | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots               | Front VGA    | Security | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|---------------------------|------------------------|---------|--|-------|------------|------|---------------------------|------------------------------------|--------------|----------|----------------------|---------------------|---------------|------------------|
| 7X02A02NJP | JAPAN  | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X02A024JP | JAPAN  | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 1x16GB RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 10x2.5" | 10x2.5" HS<br>(6<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X02A012JP | JAPAN  | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666   | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X02A05DJP | JAPAN  | 2xXeon Gold 6150<br>18C/2.7GHz/24.75MB/165W/DDR4-2666  | 2x16GB RDIMM<br>DDR4-2666 | None                   | 8x2.5"  | Non BP                                     | None  | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X02A05EJP | JAPAN  | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 1x16GB RDIMM<br>DDR4-2666 | None                   | 8x2.5"  | Non BP                                     | None  | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X02A05KJP | JAPAN  | 1xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666   | 1x16GB RDIMM<br>DDR4-2666 | None                   | 8x2.5"  | Non BP                                     | None  | None       | None | 4xGbE RJ-45 LOM           | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |

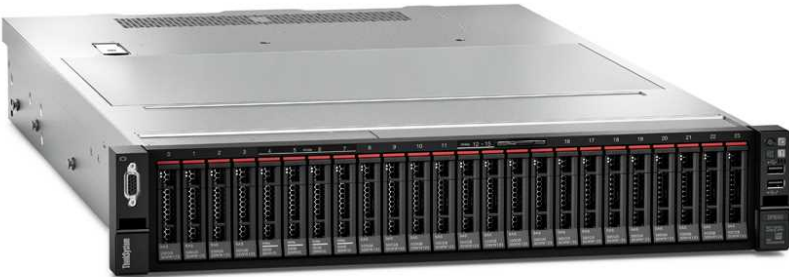
ThinkSystem SR630 - Non TopSeller - LA

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays | Disks          | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA                          | Security     | System Management | Power Supply         | Base Warranty       | Ann Date (mm/yy) |       |
|------------|--------|--|------------------------------|-----------------------|---------|-----------|----------------|------------|------|---------------------------|----------------------|------------------------------------|--------------|-------------------|----------------------|---------------------|------------------|-------|
| 7X02A05MLA | LA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | None                 | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year           | 07/17 |
| 7X02A05CLA | LA     | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | None                 | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year           | 07/17 |
| 7X02A01KLA | LA     | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | None                 | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year           | 07/17 |
| 7X02A02JLA | LA     | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | None                 | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year           | 07/17 |
| 7X02A02ELA | LA     | 1xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | None                 | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year           | 07/17 |
| 7X02A02FLA | LA     | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | None                 | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year           | 07/17 |
| 7X02A02GLA | LA     | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x2.5"  | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | None                 | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2           | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year           | 07/17 |



| Model      | Region | Processor  | Memory                    | Storage Controller     | Chassis | Disk Bays                                  | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots               | Front VGA    | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|---------------------------|------------------------|---------|--|-------|------------|------|---------------------------|------------------------------------|--------------|----------|----------------------|--------------------|---------------|------------------|
| 7X02A039NA | NA     | 1xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666  | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A02HNA | NA     | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A029NA | NA     | 2xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 2x32GB RDIMM<br>DDR4-2666 | 1x430-16i              | 10x2.5" | 10x2.5" HS<br>(6<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | None                      | 1xLP x8/2xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A02XNA | NA     | 1xXeon Gold 6150<br>18C/2.7GHz/24.75MB/165W/DDR4-2666  | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03BNA | NA     | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A03CNA | NA     | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666   | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A01LNA | NA     | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A01MNA | NA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A01PNA | NA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 10x2.5" | 10x2.5" HS<br>(6<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A01ANA | NA     | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666  | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A01VNA | NA     | 1xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666   | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A02DNA | NA     | 1xXeon Gold 6126T<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X02A01ZNA | NA     | 1xXeon Gold 6142<br>16C/2.6GHz/22MB/150W/DDR4-2666     | 1x32GB RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x2.5"  | 8x2.5"<br>SATA/SAS<br>HS                   | Open  | None       | None | None                      | 1xLP x8/1xLP<br>x16/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

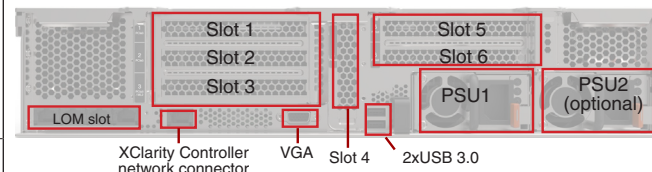


# ThinkSystem SR650 Platform Specifications

Product Specifications Reference (PSREF)

| Components  | Specification   |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|---|---|--|---|------------------|-------------|--------------|------------------|------------------|----------|---------|--------|------------|----------|-------------|-----|------|------|-----|---|--------|------------|----------|-------------|-----|-----|------|----|---|--------|------------|----------|------------------|-----|-----|--------------|-----|---|---------|------------|----------|------------------|-----|-----|--------------|-----|---|---------|------------|----------|------------------|-----|-----|--------------|-----|---|--------|------------|----------|---|-----|------|------|---|---|---------|------------|----------|---|-----|------|------|---|---|--------|------------|----------|------------------|-----|-----|--------------|-----|---|--------|------------|----------|---|-----|------|------|---|---|---------|------------|----------|---|-----|------|------|---|---|
| Form factor   | 2U rack   |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Dimensions  | Height: 86.5 mm (3.4 in). Width: 482 mm (19.0 in) with rack latches. Depth: 763.7 mm (30.1 in)  |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Weight  | Maximum configuration: 70.54 lb (32 kg)   |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Processor   | Up to two 205W Intel Xeon Scalable family processors, Bronze, Silver, Gold, or Platinum. Up to 28 cores at 2.5GHz, up to 3.6GHz with 4 cores. Two processors are connected with two UPI (Ultra Path Interconnect) links up to 10.4GT/s  |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Chipset   | Intel C624 Platform Controller Hub  |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Memory  | Up to 24 DIMM sockets. Each processor supports up to 12 DIMM sockets with 6 channels. DDR4-2666. RDIMMs, LRDIMMs, 3DS RDIMMs are supported, but memory types cannot be intermixed. 3DS RDIMM is planned to available later  |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Memory capacity   | Up to 768GB with 24 x 32 GB RDIMMs and two processors. Or up to 1.5TB with 24 x 64 GB LRDIMMs and two processors. Or up to 3TB with 24 x 128 GB 3DS LRDIMMs and two -M suffix processors. -M suffix processor supports 1.5TB memory per socket, non -M suffix processor supports 768GB memory per socket  |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Memory protection   | ECC, memory mirroring, and memory sparing   |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Storage controllers   | One dedicated internal RAID slot for most RAID/HBA adapters.  |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Interface</th> <th>Drive type</th> <th>RAID levels</th> <th>JBOD</th> <th>Cache</th> <th>Cache protection</th> <th>FastPath</th> <th>Max qty</th> </tr> </thead> <tbody> <tr> <td>530-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50</td> <td>Yes</td> <td>None</td> <td>None</td> <td>Yes</td> <td>2</td> </tr> <tr> <td>730-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50</td> <td>Yes</td> <td>1GB</td> <td>None</td> <td>No</td> <td>3</td> </tr> <tr> <td>930-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50/6/60</td> <td>Yes</td> <td>2GB</td> <td>Flash backup</td> <td>Yes</td> <td>3</td> </tr> <tr> <td>930-16i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50/6/60</td> <td>Yes</td> <td>4GB</td> <td>Flash backup</td> <td>Yes</td> <td>1</td> </tr> <tr> <td>930-24i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50/6/60</td> <td>Yes</td> <td>4GB</td> <td>Flash backup</td> <td>Yes</td> <td>1</td> </tr> <tr> <td>430-8i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>3</td> </tr> <tr> <td>430-16i</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>1</td> </tr> <tr> <td>930-8e</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>0/1/10/5/50/6/60</td> <td>Yes</td> <td>4GB</td> <td>Flash backup</td> <td>Yes</td> <td>5</td> </tr> <tr> <td>430-8e</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>5</td> </tr> <tr> <td>430-16e</td> <td>12Gbps SAS</td> <td>SATA/SAS</td> <td>-</td> <td>Yes</td> <td>None</td> <td>None</td> <td>-</td> <td>5</td> </tr> </tbody> </table> | Feature  | Interface   | Drive type       | RAID levels | JBOD         | Cache            | Cache protection | FastPath | Max qty | 530-8i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50 | Yes | None | None | Yes | 2 | 730-8i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50 | Yes | 1GB | None | No | 3 | 930-8i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50/6/60 | Yes | 2GB | Flash backup | Yes | 3 | 930-16i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50/6/60 | Yes | 4GB | Flash backup | Yes | 1 | 930-24i | 12Gbps SAS | SATA/SAS | 0/1/10/5/50/6/60 | Yes | 4GB | Flash backup | Yes | 1 | 430-8i | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 3 | 430-16i | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 1 | 930-8e | 12Gbps SAS | SATA/SAS | 0/1/10/5/50/6/60 | Yes | 4GB | Flash backup | Yes | 5 | 430-8e | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 5 | 430-16e | 12Gbps SAS | SATA/SAS | - | Yes | None | None | - | 5 |
|   | Feature   | Interface  | Drive type  | RAID levels      | JBOD        | Cache        | Cache protection | FastPath         | Max qty  |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 530-8i  | 12Gbps SAS   | SATA/SAS  | 0/1/10/5/50      | Yes         | None         | None             | Yes              | 2        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 730-8i  | 12Gbps SAS   | SATA/SAS  | 0/1/10/5/50      | Yes         | 1GB          | None             | No               | 3        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 930-8i  | 12Gbps SAS   | SATA/SAS  | 0/1/10/5/50/6/60 | Yes         | 2GB          | Flash backup     | Yes              | 3        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 930-16i   | 12Gbps SAS   | SATA/SAS  | 0/1/10/5/50/6/60 | Yes         | 4GB          | Flash backup     | Yes              | 1        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 930-24i   | 12Gbps SAS   | SATA/SAS  | 0/1/10/5/50/6/60 | Yes         | 4GB          | Flash backup     | Yes              | 1        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 430-8i  | 12Gbps SAS   | SATA/SAS  | -                | Yes         | None         | None             | -                | 3        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 430-16i   | 12Gbps SAS   | SATA/SAS  | -                | Yes         | None         | None             | -                | 1        |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| 930-8e  | 12Gbps SAS  | SATA/SAS   | 0/1/10/5/50/6/60  | Yes              | 4GB         | Flash backup | Yes              | 5                |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| 430-8e  | 12Gbps SAS  | SATA/SAS   | -   | Yes              | None        | None         | -                | 5                |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| 430-16e   | 12Gbps SAS  | SATA/SAS   | -   | Yes              | None        | None         | -                | 5                |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| <i>Note: 730-8i is available in China only. 930-8e, 430-8e, and 430-16e will be placed in slot 4 firstly. 930-24i will be placed in slot 1 firstly.</i> |   |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Disk drive bays   | Supports 8 front 3.5" SATA/SAS HS bays, or 12 front 3.5" SATA/SAS HS bays with maximum 4 AnyBay, or 8 front 2.5" SATA/SAS HS bays with maximum 4 AnyBay, or 16 front 2.5" SATA/SAS HS bays with maximum 8 AnyBay, or 24 front 2.5" SATA/SAS HS bays with maximum 4 AnyBay.<br>Optional 2 rear 3.5" HS bays are supported on 12 x 3.5" model, takes place in riser card 1 location.<br>Optional one or two internal M.2 SSD for boot, dual M.2 SSD supports mirroring  |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Internal storage  | For 3.5" bay  | 3.5" HDD, SATA6Gbps, 7.2K<br>3.5" HDD, SAS12Gbps, 7.2K | 1TB/2TB/4TB/6TB/8TB/10TB<br>1TB/2TB/4TB/4TB SED FIPS/6TB/10TB |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | For 2.5" bay  | 2.5" HDD, SAS12Gbps, 15K<br>2.5" SSD, SATA6Gbps        | 300GB/600GB<br>240GB/480GB                                    |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   |   | 2.5" NVMe SSD, AnyBay                                  | 960GB/1.92TB/3.84TB   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   |   | 2.5" HDD, SATA6Gbps, 7.2K<br>2.5" HDD, SAS12Gbps, 7.2K | 1TB/2TB<br>1TB/2TB  |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
|   | 2.5" HDD, SAS12Gbps, 10K  | 300GB/300GB SED/600GB/600GB SED/900GB/1.2TB/1.8TB      |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| 2.5" HDD, SAS12Gbps, 15K<br>2.5" SSD, SAS12Gbps<br>2.5" SSD, SATA6Gbps<br>2.5" NVMe SSD, AnyBay   | 300GB/600GB/900GB<br>400GB/800GB/3.84TB/7.68TB<br>240GB/480GB<br>800GB/960GB/1.6TB/1.92TB/3.84TB  |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| PCle 3.0 x4, HHL adapter  | NVMe SSD  | 1.6TB/1.92TB/3.2TB/3.84TB                              |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| M.2 boot drive  | M.2 SATA SSD  | 32GB/128GB   |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Optical   | No internal optical bay. Optional USB DVD±RW optical drive  |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Network interfaces  | One dedicated management port. One LOM slot for customized LOM with up to four RJ-45 or SFP+ ports, up to 10GbE. Wake-on-LAN and NC-SI are available on Port 0 of LOM. Optional ML2 or PCle adapters are supported. ML2 adapter requires riser card with ML2 slot.  |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Security features   | Power-on and admin password. Trusted Platform Module, TCG 1.2 compliant, upgrade to 2.0 via UEFI setting. Optional TCM in China only. Optional lockable security bezel  |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Operating systems supported   | Microsoft Windows Server 2016/2012 R2. Red Hat Enterprise Linux 7.3/6.9. SUSE Linux Enterprise Server 12 SP2/11 SP4. VMware vSphere (ESXi) 6.5/6.0 U3   |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| Systems management  | XClarity Controller Standard, optional upgrades to Advanced or Enterprise are available. Energy Manager. XClarity Administrator. Lenovo Capacity Planner. Provisioning Manager. Essentials. Light Path Diagnostics  |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |
| GPU support   | Up to two optional GPU, requires riser card with PCle x16 slot. 2nd GPU requires 2nd CPU. Supports Intel Xeon Phi 7240P, NVIDIA Quadro M60, or Quadro P100  |  |   |                  |             |              |                  |                  |          |         |        |            |          |             |     |      |      |     |   |        |            |          |             |     |     |      |    |   |        |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |         |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |        |            |          |                  |     |     |              |     |   |        |            |          |   |     |      |      |   |   |         |            |          |   |     |      |      |   |   |

| Components                  | Specification  |   |
|-----------------------------|--|---|
| Base warranty               | MT 7X05: 1-year limited onsite service with 9x5/NBD<br>MT 7X06: 3-year limited onsite service with 9x5/NBD   |   |
| Power supply                | Up to two redundant hot-swap 550W/750W/1100W/1600W 80 PLUS Platinum qualified AC power supplies. Or up to two redundant hot-swap 750W Titanium qualified AC power supplies. 750W Titanium and 1600W Platinum are 200V - 240V, others are 100V - 240V   |   |
| Video                       | Integrated Matrox G200 in XClarity Controller  |   |
| Cooling                     | Five fans (4+1) for single processor model, six fans (5+1) for dual processor model  |   |
| Front ports                 | One XClarity Controller USB connector, one USB 3.0, one optional VGA   |   |
| Rear ports                  | One VGA, two USB 3.0, one XClarity Controller network connector. Optional COM port   |   |
| Environmental specification | Supports ASHRAE A4 with limitations.   |   |
|                             | Temperature - operating  | A4: 5°C to 45°C (41°F to 113°F)<br>A3: 5°C to 40°C (41°F to 104°F)<br>A2: 10°C to 35°C (50°F to 95°F)   |
|                             | Temperature - non operating (no package)   | -10°C to 60°C (14°F to 140°F)   |
|                             | Temperature - non operating (with package)   | -40°C to 70°C (-40°F to 158°F)  |
|                             | Altitude - operating   | (Unpressurized): 0-10000ft (0-3048m)  |
|                             | Humidity - operating, non-condensing   | A4: 8%-90%. A3:8%-85%. A2:20%~80%   |
|                             | Humidity - storage (with package), non-condensing  | 8%~90%  |
|                             | <i>Models should meet the following requirements to support A3 and A4:</i>   |   |
|                             | <ul style="list-style-type: none"> <li>NVMe drives not installed</li> <li>PCle flash adapter not installed</li> <li>Graphic processing unit (GPU) not installed</li> <li>Must have redundant PSU</li> <li>Certain processors not installed:                             <ul style="list-style-type: none"> <li>Processors with TDP more than or equal to 150-watt not installed</li> <li>On 16 x 2.5", 24 x 2.5", and 12 x 3.5" models, the following processors not installed: Intel Xeon 4112, 5122, 6126, 6128*, 6132*, 6134, 6134M*, and 8156 processors (Processors marked with * will be available later)</li> </ul> </li> </ul> |   |
|                             | Environmental certification  | Energy Star Server 2.1 certified. More environmental information please see: <a href="http://www.lenovo.com/social_responsibility/us/en/environment/">www.lenovo.com/social_responsibility/us/en/environment/</a> |



| Expansion slots         | Supports one of the following for riser card 1:  |
|-------------------------|--|
| Slot 1-3 (riser card 1) | Option 1: PCIe 3.0 x8/x8/x8 (slot 1-3). Full height, half length.<br>Option 2: PCIe 3.0 x16/x8 (slot 1 and 3). Full height, full length for x16. Full height, half length for x8<br>Option 3: PCIe 3.0 x8/x8/x8 ML2 (slot 1-3). Full height, half length<br>Option 4: PCIe 3.0 x8/x16 ML2 (slot 1 and 3). Full height, half length<br>Option 5: Two rear 3.5" disk bays, 12 x 3.5" models only |
| Slot 4 (onboard)        | PCIe 3.0 x8, low profile   |
| Slot 5 (riser card 2)   | PCIe 3.0 x16, full height, full length, requires 2nd CPU   |
| Slot 6 (riser card 2)   | PCIe 3.0 x16, full height, half length, requires 2nd CPU   |

| System unique options |  |
|-----------------------|--|
| 7XH7A06253            | ThinkSystem SR590/SR650 Rear HDD Kit                             |
| 7XH7A02681            | ThinkSystem SR650 x8/x16ML2 PCle FH Riser 1 Kit                  |
| 7XH7A02680            | ThinkSystem SR550/SR590/SR650 x8/x8x8ML2 PCle FH Riser 1 Kit     |
| 7XH7A02678            | ThinkSystem SR550/SR590/SR650 x16/x8 PCle FH Riser 1 Kit         |
| 7XH7A02677            | ThinkSystem SR550/SR590/SR650 x8/x8/x8 PCle FH Riser 1 Kit       |
| 7XH7A02679            | ThinkSystem SR550/SR590/SR650 x16/x8(or x16) PCle FH Riser 2 Kit |
| 7XH7A06251            | ThinkSystem SR650 2.5" AnyBay 8-Bay Backplane Kit                |
| 7XH7A06254            | ThinkSystem SR550/SR650 2.5" SATA/SAS 8-Bay Backplane Kit        |
| 7Z17A02578            | ThinkSystem SR550/SR590/SR650 EIA Latch w/ VGA Upgrade Kit       |
| 7Z17A02580            | ThinkSystem 2U Security Bezel                                    |
| 7Z17A02577            | ThinkSystem COM Port Upgrade Kit                                 |
| 7XH7A05899            | ThinkSystem SR650 2nd GPU Upgrade Kit                            |
| 7XH7A05897            | ThinkSystem SR650 GPU Thermal Kit                                |
| 7XH7A05898            | ThinkSystem SR650(GPU) 1U Heatsink Option Kit                    |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots      | Front VGA    | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|-------|------------|------|---------------------------|---------------------------|--------------|----------|------------------------|---------------------|---------------|------------------|
| 7X06A05ZAU | ANZ    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A060AU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A061AU | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A062AU | ANZ    | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A063AU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A064AU | ANZ    | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A065AU | ANZ    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A066AU | ANZ    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1600W<br>Platinum | 3-year        | 07/17            |
| 7X06A067AU | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A069AU | ANZ    | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A06AAU | ANZ    | 1xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A06BAU | ANZ    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A06CAU | ANZ    | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A06DAU | ANZ    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks                                | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots      | Front VGA    | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|--------------------------------------|------------|------|---------------------------|---------------------------|--------------|----------|------------------------|---------------------|---------------|------------------|
| 7X06A01REA | EMEA   | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A01SEA | EMEA   | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A01NEA | EMEA   | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A00KEA | EMEA   | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A00LEA | EMEA   | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A00NEA | EMEA   | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A00PEA | EMEA   | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A010EA | EMEA   | 1xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A011EA | EMEA   | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A013EA | EMEA   | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A014EA | EMEA   | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A01AEA | EMEA   | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A01BEA | EMEA   | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1600W<br>Platinum | 3-year        | 07/17            |
| 7X06A01HEA | EMEA   | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A047EA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | 2x300GB<br>HDD 10K 2.5"<br>SAS12Gbps | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum  | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays                 | Disks                                | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots      | Front VGA    | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|------------------------|---------|---------------------------|--------------------------------------|------------|------|---------------------------|---------------------------|--------------|----------|------------------------|---------------------|---------------|------------------|
| 7X06A048EA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 24x2.5" | 16x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A049EA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | 3x300GB<br>HDD 10K 2.5"<br>SAS12Gbps | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A04AEA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | 3x300GB<br>HDD 10K 2.5"<br>SAS12Gbps | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A04BEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | 3x300GB<br>HDD 10K 2.5"<br>SAS12Gbps | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A04CEA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A04DEA | EMEA   | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A04EEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A04FEA | EMEA   | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A04GEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | 2x300GB<br>HDD 10K 2.5"<br>SAS12Gbps | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A04HEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x930-8i<br>2GB flash  | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS  | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A04JEA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A04KEA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A04LEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A04MEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open                                 | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A04NEA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | 3x300GB<br>HDD 10K 2.5"<br>SAS12Gbps | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 2x750W<br>Platinum  | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots      | Front VGA    | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|-------|------------|------|---------------------------|---------------------------|--------------|----------|------------------------|---------------------|---------------|------------------|
| 7X06A04PEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A04QEA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A04REA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A04SEA | EMEA   | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A04TEA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A04UEA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x930-8i<br>2GB flash | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum  | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays | Disks          | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA                              | Security | System Management | Power Supply         | Base Warranty      | Ann Date (mm/yy) |       |
|------------|--------|--|------------------------------|------------------------|---------|-----------|----------------|------------|------|---------------------------|----------------------|--|----------|-------------------|----------------------|--------------------|------------------|-------|
| 7X06A01KCN | HTK    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A01LCN | HTK    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A01DCN | HTK    | 1xXeon Gold 5120T<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A009CN | HTK    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A027CN | HTK    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |



# ThinkSystem SR650 - TopSeller - JAPAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots                   | Front VGA | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|-------|------------|------|---------------------------|--|-----------|----------|----------------------|--------------------|---------------|------------------|
| 7X06A01MJP | JAPAN  | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X06A02BJP | JAPAN  | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X06A05AJP | JAPAN  | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X06A05BJP | JAPAN  | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum | 3-year        | 07/17            |

# ThinkSystem SR650 - TopSeller - NA

Product Specifications Reference (PSREF)

| Model      | Region | Processor   | Memory                       | Storage Controller | Chassis | Disk Bays | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots      | Front VGA    | Security | System Management      | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|--------------------|---------|-----------|-------|------------|------|---------------------------|---------------------------|--------------|----------|------------------------|--------------------|---------------|------------------|
| 7X06A04ZNA | NA     | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400 | 1x32GB<br>RDIMM<br>DDR4-2666 | None               | 24x2.5" | None      | None  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A057NA | NA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | None               | 24x2.5" | None      | None  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A05XNA | NA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x32GB<br>RDIMM<br>DDR4-2666 | None               | 24x2.5" | None      | None  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Enterprise | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                       | Storage Controller    | Chassis | Disk Bays                                   | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots   | Front VGA | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|-----------------------|---------|---|-------|------------|------|---------------------------|--|-----------|----------|------------------------|---------------------|---------------|------------------|
| 7X06A04WAU | ANZ    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400      | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot  | None      | TPM 1.2  | XClarity<br>Advanced   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A050AU | ANZ    | 1xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666      | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot  | None      | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A051AU | ANZ    | 1xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot  | None      | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A052AU | ANZ    | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot  | None      | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A054AU | ANZ    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666        | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot  | None      | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A04YAU | ANZ    | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666    | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot  | None      | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A05CAU | ANZ    | 2xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400     | 2x32GB<br>RDIMM<br>DDR4-2666 | 1x430-16i             | 24x2.5" | 16x2.5" HS<br>(12<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | None                      | 3xFHHL<br>x8/1xLP<br>x8/1xFHFL<br>x16/1xFHHL<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A05DAU | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot  | None      | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A059AU | ANZ    | 1xXeon Platinum 8164<br>26C/2.0GHz/35.75MB/150W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot  | None      | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A05GAU | ANZ    | 1xXeon Gold 6150<br>18C/2.7GHz/24.75MB/165W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot  | None      | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A05HAU | ANZ    | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot  | None      | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A068AU | ANZ    | 1xXeon Gold 6126T<br>12C/2.6GHz/19.25MB/125W/DDR4-2666    | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot  | None      | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A06FAU | ANZ    | 1xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot  | None      | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A06GAU | ANZ    | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666      | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot  | None      | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A06HAU | ANZ    | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP<br>x8/1xRAID<br>slot  | None      | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                       | Storage Controller     | Chassis | Disk Bays                 | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots      | Front VGA | Security | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|------------------------|---------|---------------------------|-------|------------|------|---------------------------|---------------------------|-----------|----------|----------------------|---------------------|---------------|------------------|
| 7X06A06JAU | ANZ    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400      | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum  | 3-year        | 07/17            |
| 7X06A06KAU | ANZ    | 1xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666      | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A06LAU | ANZ    | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A06MAU | ANZ    | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666    | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A06PAU | ANZ    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400      | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum  | 3-year        | 07/17            |
| 7X06A06QAU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400      | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A06RAU | ANZ    | 1xXeon Gold 6150<br>18C/2.7GHz/24.75MB/165W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A06SAU | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A06TAU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400      | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A06UAU | ANZ    | 1xXeon Gold 6142<br>16C/2.6GHz/22MB/150W/DDR4-2666        | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A06VAU | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A06WAU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400      | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A06XAU | ANZ    | 1xXeon Platinum 8164<br>26C/2.0GHz/35.75MB/150W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A06YAU | ANZ    | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A06ZAU | ANZ    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots      | Front VGA | Security | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|-------|------------|------|---------------------------|---------------------------|-----------|----------|----------------------|---------------------|---------------|------------------|
| 7X06A05NAU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A05PAU | ANZ    | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A05RAU | ANZ    | 1xXeon Gold 6142<br>16C/2.6GHz/22MB/150W/DDR4-2666   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A05SAU | ANZ    | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |

ThinkSystem SR650 - Non TopSeller - ASEAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor   | Memory                       | Storage Controller     | Chassis | Disk Bays                 | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots      | Front VGA | Security | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|------------------------|---------|---------------------------|-------|------------|------|---------------------------|---------------------------|-----------|----------|----------------------|---------------------|---------------|------------------|
| 7X06A03TSG | ASEAN  | 1xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A03USG | ASEAN  | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A03VSG | ASEAN  | 1xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A03XSG | ASEAN  | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A042SG | ASEAN  | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A03FSG | ASEAN  | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A03JSG | ASEAN  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A03RSG | ASEAN  | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A034SG | ASEAN  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                       | Storage Controller    | Chassis | Disk Bays                                   | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots                                  | Front VGA | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|-----------------------|---------|---|-------|------------|------|---------------------------|---|-----------|----------|------------------------|---------------------|---------------|------------------|
| 7X06A035EA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133      | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot                             | None      | TPM 1.2  | XClarity<br>Standard   | 1x550W<br>Platinum  | 3-year        | 07/17            |
| 7X06A036EA | EMEA   | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400      | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot                             | None      | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A037EA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot                             | None      | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A038EA | EMEA   | 2xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400        | 2x32GB<br>RDIMM<br>DDR4-2666 | 1x430-16i             | 24x2.5" | 16x2.5" HS<br>(12<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot                             | None      | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A033EA | EMEA   | 2xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400     | 2x32GB<br>RDIMM<br>DDR4-2666 | 1x430-16i             | 24x2.5" | 16x2.5" HS<br>(12<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | None                      | 1xLP<br>x8/1xFHFL<br>x16/1xFHHL<br>x16/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Enterprise | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A02SEA | EMEA   | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666      | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot                             | None      | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A02WEA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot                             | None      | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A02XEA | EMEA   | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666      | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot                             | None      | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A02YEA | EMEA   | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot                             | None      | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A03SEA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot                             | None      | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A03LEA | EMEA   | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666    | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot                             | None      | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A03MEA | EMEA   | 1xXeon Platinum 8164<br>26C/2.0GHz/35.75MB/150W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot                             | None      | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A03NEA | EMEA   | 1xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot                             | None      | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A03PEA | EMEA   | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666        | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot                             | None      | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A03QEA | EMEA   | 1xXeon Gold 6150<br>18C/2.7GHz/24.75MB/165W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot                             | None      | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays                | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots      | Front VGA | Security | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|------------------------|---------|--------------------------|-------|------------|------|---------------------------|---------------------------|-----------|----------|----------------------|---------------------|---------------|------------------|
| 7X06A03EEA | EMEA   | 1xXeon Gold 6142<br>16C/2.6GHz/22MB/150W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A03HEA | EMEA   | 1xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666   | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A03AEA | EMEA   | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A03BEA | EMEA   | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A03CEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A03WEA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A044EA | EMEA   | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666  | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A045EA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A041EA | EMEA   | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |



| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays                 | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots                   | Front VGA | Security | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|------------------------|---------|---------------------------|-------|------------|------|---------------------------|--|-----------|----------|----------------------|--------------------|---------------|------------------|
| 7X06A055CN | HTK    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A05ECN | HTK    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A05FCN | HTK    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A04XCN | HTK    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A053CN | HTK    | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A04VCN | HTK    | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A00ZCN | HTK    | 1xXeon Gold 6136<br>12C/3.0GHz/24.75MB/150W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A00UCN | HTK    | 1xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A00QCN | HTK    | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A00MCN | HTK    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A00GCN | HTK    | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A003CN | HTK    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A005CN | HTK    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A007CN | HTK    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X06A00ECN | HTK    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays | Disks          | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA                              | Security | System Management | Power Supply         | Base Warranty      | Ann Date (mm/yy) |       |
|------------|--------|--|------------------------------|------------------------|---------|-----------|----------------|------------|------|---------------------------|----------------------|--|----------|-------------------|----------------------|--------------------|------------------|-------|
| 7X06A01QCN | HTK    | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A02FCN | HTK    | 1xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A02HCN | HTK    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A02JCN | HTK    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A02KCN | HTK    | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A02LCN | HTK    | 1xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A01TCN | HTK    | 1xXeon Gold 6136<br>12C/3.0GHz/24.75MB/150W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A01UCN | HTK    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A01VCN | HTK    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A01YCN | HTK    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A020CN | HTK    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A021CN | HTK    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A02QCN | HTK    | 1xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A05TCN | HTK    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A05UCN | HTK    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |

| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays | Disks          | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA                              | Security | System Management | Power Supply         | Base Warranty      | Ann Date (mm/yy) |       |
|------------|--------|--|------------------------------|------------------------|---------|-----------|----------------|------------|------|---------------------------|----------------------|--|----------|-------------------|----------------------|--------------------|------------------|-------|
| 7X06A05VCN | HTK    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A05WCN | HTK    | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A05QCN | HTK    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A05KCN | HTK    | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A05LCN | HTK    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |
| 7X06A05MCN | HTK    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"   | SATA/SAS<br>HS | Open       | None | None                      | 4xGbE RJ-45 LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x750W<br>Platinum | 3-year           | 07/17 |

| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays                 | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA | Security | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|------------------------|---------|---------------------------|-------|------------|------|---------------------------|----------------------|-----------|----------|----------------------|---------------------|---------------|------------------|
| 7X06A00FSG | INDIA  | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | x8/1xRAID<br>slot    | None      | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum  | 3-year        | 07/17            |
| 7X06A00ASG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | x8/1xRAID<br>slot    | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A00CSG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 12x3.5" | 8x3.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | x8/1xRAID<br>slot    | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A00JSG | INDIA  | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | x8/1xRAID<br>slot    | None      | TPM 1.2  | XClarity<br>Standard | 1x550W<br>Platinum  | 3-year        | 07/17            |
| 7X06A00RSG | INDIA  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4xGbE RJ-45 LOM           | x8/1xRAID<br>slot    | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A00SSG | INDIA  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | x8/1xRAID<br>slot    | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A00TSG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 12x3.5" | 12x3.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4xGbE RJ-45 LOM           | x8/1xRAID<br>slot    | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A00WSG | INDIA  | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | 4xGbE RJ-45 LOM           | x8/1xRAID<br>slot    | None      | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A00XSG | INDIA  | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | x8/1xRAID<br>slot    | None      | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A00YSG | INDIA  | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | None | 4xGbE RJ-45 LOM           | x8/1xRAID<br>slot    | None      | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |

## ThinkSystem SR650 - Non TopSeller - JAPAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays                                   | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots                   | Front VGA    | Security | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|------------------------|---------|---|-------|------------|------|---------------------------|--|--------------|----------|----------------------|---------------------|---------------|------------------|
| 7X06A01JJP | JAPAN  | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | 4xGbE RJ-45 LOM           | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Advanced | 1x550W<br>Platinum  | 3-year        | 07/17            |
| 7X06A05JJP | JAPAN  | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-24i<br>4GB Flash | 24x2.5" | 24x2.5" HS<br>(20<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x1600W<br>Platinum | 3-year        | 07/17            |
| 7X06A056JP | JAPAN  | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-24i<br>4GB Flash | 24x2.5" | 24x2.5" HS<br>(20<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A058JP | JAPAN  | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400      | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A05YJP | JAPAN  | 1xXeon Platinum 8180<br>28C/2.5GHz/38.5MB/205W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | 4x10GbE RJ-45<br>LOM      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |

ThinkSystem SR650 - Non TopSeller - LA

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots                   | Front VGA    | Security | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|-------|------------|------|---------------------------|--|--------------|----------|----------------------|---------------------|---------------|------------------|
| 7X06A023LA | LA     | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A026LA | LA     | 1xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A01WLA | LA     | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A02NLA | LA     | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A02ALA | LA     | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A01CLA | LA     | 1xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A00VLA | LA     | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A016LA | LA     | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A008LA | LA     | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A006LA | LA     | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None | None                      | 3xFHHL<br>x8/1xLP<br>x8/1xRAID<br>slot | Front<br>VGA | TPM 1.2  | XClarity<br>Standard | 1x750W<br>Platinum  | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                       | Storage Controller    | Chassis | Disk Bays                                   | Disks | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots   | Front VGA    | Security | System Management      | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|-----------------------|---------|---|-------|------------|------|---------------------------|--|--------------|----------|------------------------|---------------------|---------------|------------------|
| 7X06A02CNA | NA     | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | None                  | 24x2.5" | None  | None  | None       | None | None                      | 1xLP<br>x8/1xRAID slot   | Front<br>VGA | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A039NA | NA     | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666        | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID slot   | None         | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A02ZNA | NA     | 1xXeon Gold 6152<br>22C/2.1GHz/30.25MB/140W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID slot   | None         | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A030NA | NA     | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID slot   | None         | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A031NA | NA     | 1xXeon Platinum 8160<br>24C/2.1GHz/33MB/150W/DDR4-2666    | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID slot   | None         | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A032NA | NA     | 1xXeon Gold 6142<br>16C/2.6GHz/22MB/150W/DDR4-2666        | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID slot   | None         | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A02TNA | NA     | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666      | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID slot   | None         | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A02UNA | NA     | 1xXeon Gold 6150<br>18C/2.7GHz/24.75MB/165W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID slot   | None         | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A02VNA | NA     | 1xXeon Gold 6140<br>18C/2.3GHz/24.75MB/140W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID slot   | None         | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A046NA | NA     | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666     | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID slot   | None         | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A043NA | NA     | 2xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400     | 2x32GB<br>RDIMM<br>DDR4-2666 | 1x430-16i             | 24x2.5" | 16x2.5" HS<br>(12<br>SATA/SAS, 4<br>AnyBay) | Open  | None       | None | None                      | 3xFHLL<br>x8/1xLP<br>x8/1xFHFL<br>x16/1xFHLL<br>x16/1xRAID<br>slot | None         | TPM 1.2  | XClarity<br>Enterprise | 2x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A03ZNA | NA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400      | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID slot   | None         | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X06A040NA | NA     | 1xXeon Gold 6134<br>8C/3.2GHz/24.75MB/130W/DDR4-2666      | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID slot   | None         | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A03DNA | NA     | 1xXeon Platinum 8164<br>26C/2.0GHz/35.75MB/150W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID slot   | None         | TPM 1.2  | XClarity<br>Standard   | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X06A03GNA | NA     | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400      | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"<br>SATA/SAS<br>HS                    | Open  | None       | None | None                      | 1xLP<br>x8/1xRAID slot   | None         | TPM 1.2  | XClarity<br>Standard   | 1x750W<br>Platinum  | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays | Disks          | M.2 Drives | GPU  | Networking (LOM/ML2/PCIe) | Available PCIe Slots | Front VGA                 | Security | System Management | Power Supply         | Base Warranty       | Ann Date (mm/yy) |       |
|------------|--------|--|------------------------------|-----------------------|---------|-----------|----------------|------------|------|---------------------------|----------------------|---------------------------|----------|-------------------|----------------------|---------------------|------------------|-------|
| 7X06A03KNA | NA     | 1xXeon Gold 6148<br>20C/2.4GHz/27.5MB/150W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 24x2.5" | 8x2.5"    | SATA/SAS<br>HS | Open       | None | None                      | None                 | 1xLP<br>x8/1xRAID<br>slot | None     | TPM 1.2           | XClarity<br>Standard | 1x1100W<br>Platinum | 3-year           | 07/17 |



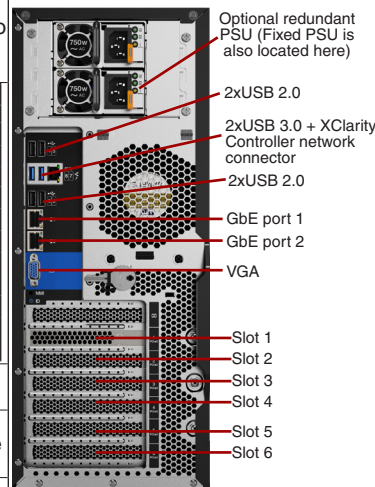


# ThinkSystem ST550 Platform Specifications

Product Specifications Reference (PSREF)

| Components   | Specification   |  |
|--|---|--|
| Form factor  | Tower or 4U rack  |  |
| Dimensions   | Without foot stands and security door: Height: 425.5 mm (16.8 in). Width: 175.8 mm (6.92 in). Depth: 666.4 mm (26.24 in)  |  |
| Weight   | Maximum configuration: 81.35 lb (36.9 kg)   |  |
| Processor  | Up to two 125W Intel Xeon Scalable family processors, Bronze, Silver, Gold, or Platinum. Up to 20 cores at 2.0GHz, up to 3.6GHz with 4 cores. Two processors are connected with two UPI (Ultra Path Interconnect) links up to 10.4GT/s  |  |
| Chipset  | Intel C621 Platform Controller Hub  |  |
| Memory   | Up to 12 DIMM sockets. Each processor supports up to 6 DIMM sockets with 6 channels. DDR4-2666. RDIMMs and LRDIMMs are supported, but memory types cannot be intermixed   |  |
| Memory capacity  | With RDIMMs: Up to 384GB with 12 x 32 GB RDIMMs and two processors<br>With LRDIMMs: Up to 768GB with 12 x 64 GB LRDIMMs and two processors  |  |
| Memory protection  | ECC, memory mirroring, and memory sparing   |  |
| Storage controllers  | Supports the following RAID/HBA adapters:   |  |
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| Note: 730-8i is available in China only. All RAID/HBA adapters should be placed in slot 1 firstly. |   |  |
| Disk drive bays  | Supports 4 or 8 front 3.5" SATA simple-swap bays. Or 4 or 8 front 3.5" SATA/SAS HS bays. Or 8 or 16 front 2.5" SATA/SAS HS bays with maximum 4 AnyBay. Optional 4 front 2.5" HS bays are supported on hot-swap models, takes place in two 5.25" bays location<br>Optional one or two internal M.2 SSD for boot, dual M.2 SSD supports mirroring |  |
| Internal storage   | For 3.5" SS bay   |  |
|  | For 3.5" bay  |  |
|  | (3.5" disks or 2.5" disks with 3.5" tray)   |  |
|  |   |  |
|  | For 2.5" bay  |  |
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| Optical  | Two 5.25" bays for optical and tape drive. Supports DVD-ROM or DVD±RW drives, half-height. Supports LTO-6 SAS, LTO-7 SAS, and RDX USB 3.0 tape drives   |  |
| Network interfaces   | Integrated one dedicated management port plus two GbE ports. Optional PCIe adapters are supported. NC-SI and Wake-on-LAN are available on GbE port 1 (See right)  |  |
| Security features  | Power-on and admin password. Trusted Platform Module, TCG 1.2 compliant, upgrade to 2.0 via UEFI setting. Optional TCM in China only. Optional lockable security bezel. Optional chassis intrusion switch   |  |
| Operating systems supported  | Microsoft Windows Server 2016/2012 R2. Red Hat Enterprise Linux 7.3/6.9. SUSE Linux Enterprise Server 12 SP2/11 SP4. VMware vSphere (ESXi) 6.5/6.0 U3   |  |
| Systems management   | XClarity Controller Standard, optional upgrades to Advanced or Enterprise are available. Energy Manager. XClarity Administrator. Provisioning Manager. Essentials. LEDs on front panel show the status of power, ID, network, simple-swap disks, and system error   |  |
| GPU support  | Up to two optional NVIDIA Quadro P2000 or Quadro P6000  |  |

| Components                  | Specification   |
|-----------------------------|---|
| Base warranty               | MT 7X09: 1-year limited onsite service with 9x5/NBD<br>MT 7X10: 3-year limited onsite service with 9x5/NBD  |
| Power supply                | Supports one fixed 450W 80 PLUS Gold qualified AC power supply, non-hot-swap, no redundant. Or up to two redundant hot-swap 550W/750W/1100W 80 PLUS Platinum qualified AC power supplies. Or up to two redundant hot-swap 750W Titanium qualified AC power supplies. 750W Titanium is 200V - 240V, others are 100V - 240V |
| Video                       | Integrated Matrox G200 in XClarity Controller   |
| Cooling                     | Up to four fans with one for redundant. Two fans for single processor, three fans for dual processor or single processor with 4 x 2.5" HS bay installed. 4th fan is N + 1 redundant or GPU installed  |
| Front ports                 | One XClarity Controller USB connector, one USB 3.0  |
| Rear ports                  | One VGA, two USB 3.0, four USB 2.0, two ethernet (RJ-45), one XClarity Controller network connector. Optional COM port  |
| Environmental specification | Supports ASHRAE A4 with limitations.  |
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| Environmental certification | Energy Star Server 2.1 certified. More environmental information please see: <a href="http://www.lenovo.com/social_responsibility/us/en/environment/">www.lenovo.com/social_responsibility/us/en/environment/</a>   |



| Expansion slots |  |
|-----------------|--|
| Slot 1 (CPU1)   | PCIe 3.0 x8, full height, half length                |
| Slot 2 (CPU1)   | PCIe 3.0 x16, full height, half length               |
| Slot 3 (CPU1)   | PCIe 3.0 x16, full height, full length, double-width |
| Slot 4 (CPU2)   | PCIe 3.0 x16 (x8 elec), full height, full length     |
| Slot 5 (CPU2)   | PCIe 3.0 x16, full height, full length, double-width |
| Slot 6 (CPU1)   | PCIe 3.0 x8 (x4 elec), full height, full length      |

Note: All expansion cards and redundant PSU are optional.

## System unique options

|            |  |
|------------|--|
| 7X77A03475 | ThinkSystem ST550 2.5" SATA/SAS 4-Bay Backplane Kit              |
| 7X77A03476 | ThinkSystem ST550 2.5" Anybay 8-Bay Backplane Kit                |
| 7TP7A04369 | ThinkSystem ST550 2.5" 8-Bay Backplane Kit                       |
| 7TP7A04370 | ThinkSystem ST550 3.5" SATA/SAS 4-Bay Backplane kit              |
| 7X77A03481 | ThinkSystem ST550 3.5" Simple Swap Bracket Plate                 |
| 7X77A03484 | ThinkSystem ST550 4U Security Bezel                              |
| 7X77A03485 | ThinkSystem ST550 CMA kit  |
| 7X77A03488 | ThinkSystem ST550 4U Tower to Rack Conversion Kit                |
| 7Z17A02577 | ThinkSystem ST550 COM Port Upgrade Kit                           |
| 7XH7A06781 | ThinkSystem ST550 Front Mid FAN Module for 4x2.5" ODD conversion |
| 7TP7A04371 | ThinkSystem ST550 Rear FAN Module for RDN FAN                    |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks                                | M.2 Drives | Optical      | GPU  | Networking (PCIe) | Security   | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|--------------------------------------|------------|--------------|------|-------------------|--|----------------------|--------------------|---------------|------------------|
| 7X10A029AU | ANZ    | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02BAU | ANZ    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02DAU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 4x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | 2x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02EAU | ANZ    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02GAU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | 3x300GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02JAU | ANZ    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02TAU | ANZ    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02VAU | ANZ    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A032AU | ANZ    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | 3x300GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A036AU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A038AU | ANZ    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A03EAU | ANZ    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A03FAU | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A03GAU | ANZ    | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A03HAU | ANZ    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model       | Region | Processor   | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Optical      | GPU  | Networking (PCIe) | Security   | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|-------------|--------|---|------------------------------|-----------------------|---------|--------------------------|-------|------------|--------------|------|-------------------|--|----------------------|--------------------|---------------|------------------|
| 7X10A03MAU  | ANZ    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A03NAU  | ANZ    | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A03QAU  | ANZ    | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A03UUAU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A03AAU  | ANZ    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor   | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks                                | M.2 Drives | Optical      | GPU  | Networking (PCIe) | Security   | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|-----------------------|---------|--------------------------|--------------------------------------|------------|--------------|------|-------------------|--|----------------------|--------------------|---------------|------------------|
| 7X10A03VEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | 2x300GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 2x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A03ZEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400    | 4x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | 3x900GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A03KEA | EMEA   | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A039EA | EMEA   | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | 2x1TB HDD<br>7.2K 3.5"<br>SATA6Gbps  | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A02YEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A006EA | EMEA   | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00HEA | EMEA   | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A013EA | EMEA   | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02HEA | EMEA   | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A017EA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A018EA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A019EA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | 3x300GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01AEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | 3x300GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01BEA | EMEA   | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01CEA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 2x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks                                | M.2 Drives | Optical      | GPU  | Networking (PCIe) | Security   | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|--------------------------------------|------------|--------------|------|-------------------|--|----------------------|--------------------|---------------|------------------|
| 7X10A01DEA | EMEA   | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01EEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01FEA | EMEA   | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01GEA | EMEA   | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01HEA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01JEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01KEA | EMEA   | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 4x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | 2x600GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01LEA | EMEA   | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01MEA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01NEA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01PEA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01QEA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A035EA | EMEA   | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 2x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks                                | M.2 Drives | Optical      | GPU  | Networking (PCIe) | Security                                  | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|--------------------------------------|------------|--------------|------|-------------------|---|----------------------|--------------------|---------------|------------------|
| 7X10A04ELA | LA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04GLA | LA     | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | 2x2TB HDD<br>7.2K 3.5"<br>SAS12Gbps  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04JLA | LA     | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | 2x600GB HDD<br>15K 3.5"<br>SAS12Gbps | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04LLA | LA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | 2x900GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04QLA | LA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | 2x2TB HDD<br>7.2K 3.5"<br>SAS12Gbps  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04SLA | LA     | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04WLA | LA     | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A051LA | LA     | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | 2x2TB HDD<br>7.2K 3.5"<br>SAS12Gbps  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A052LA | LA     | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A053LA | LA     | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | 2x600GB HDD<br>15K 3.5"<br>SAS12Gbps | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A055LA | LA     | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A057LA | LA     | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133 | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A058LA | LA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400   | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | 3x4TB HDD<br>7.2K 3.5"<br>SAS12Gbps  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A05BLA | LA     | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | 2x4TB HDD<br>7.2K 3.5"<br>SAS12Gbps  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A05CLA | LA     | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133 | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks                                | M.2 Drives | Optical      | GPU  | Networking (PCIe) | Security                                  | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|--------------------------------------|------------|--------------|------|-------------------|---|----------------------|--------------------|---------------|------------------|
| 7X10A05DLA | LA     | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS | 3x600GB HDD<br>15K 3.5"<br>SAS12Gbps | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A05ELA | LA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | 3x900GB HDD<br>10K 2.5"<br>SAS12Gbps | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Advanced | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A05JLA | LA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open                                 | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |



ThinkSystem ST550 - TopSeller - NA

Product Specifications Reference (PSREF)

| Model      | Region | Processor   | Memory                    | Storage Controller | Chassis | Disk Bays             | Disks | M.2 Drives | Optical | GPU  | Networking (PCIe) | Security                         | System Management   | Power Supply    | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|---------------------------|--------------------|---------|-----------------------|-------|------------|---------|------|-------------------|----------------------------------|---------------------|-----------------|---------------|------------------|
| 7X10A03PNA | NA     | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133    | 1x16GB<br>RDIMM DDR4-2666 | 1x530-8i           | 8x3.5"  | 4x3.5"<br>SATA/SAS HS | Open  | None       | None    | None | None              | Chassis Intrusion Switch/TPM 1.2 | XClarity Enterprise | 1x750W Platinum | 3-year        | 07/17            |
| 7X10A02PNA | NA     | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400 | 1x32GB<br>RDIMM DDR4-2666 | 1x930-8i 2GB flash | 8x3.5"  | 8x3.5"<br>SATA/SAS HS | Open  | None       | None    | None | None              | Chassis Intrusion Switch/TPM 1.2 | XClarity Enterprise | 1x750W Platinum | 3-year        | 07/17            |
| 7X10A028NA | NA     | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400    | 1x16GB<br>RDIMM DDR4-2666 | 1x530-8i           | 8x3.5"  | 8x3.5"<br>SATA/SAS HS | Open  | None       | None    | None | None              | Chassis Intrusion Switch/TPM 1.2 | XClarity Enterprise | 1x750W Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Optical      | GPU  | Networking (PCIe) | Security   | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|-------|------------|--------------|------|-------------------|--|----------------------|--------------------|---------------|------------------|
| 7X10A005AU | ANZ    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1xOnboard             | 8x3.5"  | 4x3.5" SATA<br>SS        | Open  | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A00AAU | ANZ    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00KAU | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00MAU | ANZ    | 1xXeon Gold 6126T<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00TAU | ANZ    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A02AAU | ANZ    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1xOnboard             | 8x3.5"  | 8x3.5" SATA<br>SS        | Open  | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02FAU | ANZ    | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A011AU | ANZ    | 1xXeon Gold 6130T<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x32GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02LAU | ANZ    | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02MAU | ANZ    | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02NAU | ANZ    | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02RAU | ANZ    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02ZAU | ANZ    | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A03DAU | ANZ    | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1xOnboard             | 8x3.5"  | 8x3.5" SATA<br>SS        | Open  | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A03LAU | ANZ    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller | Chassis | Disk Bays                | Disks | M.2 Drives | Optical | GPU  | Networking (PCIe) | Security   | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|--------------------|---------|--------------------------|-------|------------|---------|------|-------------------|--|----------------------|--------------------|---------------|------------------|
| 7X10A03RAU | ANZ    | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH  | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

ThinkSystem ST550 - Non TopSeller - ASEAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                      | Storage Controller | Chassis | Disk Bays                | Disks | M.2 Drives | Optical | GPU  | Networking (PCIe) | Security                                  | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|-----------------------------|--------------------|---------|--------------------------|-------|------------|---------|------|-------------------|---|----------------------|--------------------|---------------|------------------|
| 7X10A01ZSG | ASEAN  | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A020SG | ASEAN  | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A021SG | ASEAN  | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A022SG | ASEAN  | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A023SG | ASEAN  | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A024SG | ASEAN  | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A025SG | ASEAN  | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A026SG | ASEAN  | 1xXeon Silver 4112<br>4C/2.6GHz/8.25MB/85W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A00GSG | ASEAN  | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400    | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00BSG | ASEAN  | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00DSG | ASEAN  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00ESG | ASEAN  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A003SG | ASEAN  | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A004SG | ASEAN  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x8GB<br>RDIMM<br>DDR4-2666 | 1x530-8i           | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

ThinkSystem ST550 - Non TopSeller - Brazil

Product Specifications Reference (PSREF)

| Model      | Region | Processor   | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Optical      | GPU  | Networking (PCIe) | Security   | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|-----------------------|---------|--------------------------|-------|------------|--------------|------|-------------------|--|----------------------|--------------------|---------------|------------------|
| 7X10A03YBR | Brazil | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A040BR | Brazil | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 2x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A041BR | Brazil | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None         | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A042BR | Brazil | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

## ThinkSystem ST550 - Non TopSeller - EMEA

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Optical      | GPU  | Networking (PCIe) | Security   | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|-------|------------|--------------|------|-------------------|--|----------------------|--------------------|---------------|------------------|
| 7X10A03JEA | EMEA   | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02UEA | EMEA   | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00VEA | EMEA   | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01REA | EMEA   | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01SEA | EMEA   | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01TEA | EMEA   | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1xOnboard             | 8x3.5"  | 8x3.5" SATA<br>SS        | Open  | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01UEA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1xOnboard             | 8x3.5"  | 8x3.5" SATA<br>SS        | Open  | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01VEA | EMEA   | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01WEA | EMEA   | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01XEA | EMEA   | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A01YEA | EMEA   | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

## ThinkSystem ST550 - Non TopSeller - HTK

Product Specifications Reference (PSREF)

| Model      | Region | Processor   | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Optical | GPU  | Networking (PCIe) | Security                                  | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|-----------------------|---------|--------------------------|-------|------------|---------|------|-------------------|---|----------------------|--------------------|---------------|------------------|
| 7X10A014CN | HTK    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00WCN | HTK    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00XCN | HTK    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00YCN | HTK    | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00ZCN | HTK    | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A010CN | HTK    | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00PCN | HTK    | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00QCN | HTK    | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00RCN | HTK    | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00SCN | HTK    | 1xXeon Gold 5122<br>4C/3.6GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A012CN | HTK    | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays                 | Disks | M.2 Drives | Optical      | GPU  | Networking (PCIe) | Security                                  | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|------------------------|---------|---------------------------|-------|------------|--------------|------|-------------------|---|----------------------|--------------------|---------------|------------------|
| 7X10A02KSG | INDIA  | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02SSG | INDIA  | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x8GB<br>RDIMM<br>DDR4-2666  | 1xOnboard              | 8x3.5"  | 4x3.5"<br>SATA<br>SS      | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A02QSG | INDIA  | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A02WSG | INDIA  | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A02XSG | INDIA  | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A037SG | INDIA  | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A033SG | INDIA  | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A034SG | INDIA  | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A030SG | INDIA  | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A03BSG | INDIA  | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A03CSG | INDIA  | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A03WSG | INDIA  | 1xXeon Silver 4108<br>8C/1.8GHz/11MB/85W/DDR4-2400     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A03XSG | INDIA  | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A03SSG | INDIA  | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x8GB<br>RDIMM<br>DDR4-2666  | 1xOnboard              | 8x3.5"  | 4x3.5"<br>SATA<br>SS      | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A03TSG | INDIA  | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |



| Model      | Region | Processor   | Memory                       | Storage Controller     | Chassis | Disk Bays                 | Disks | M.2 Drives | Optical      | GPU  | Networking (PCIe) | Security                                  | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|---|------------------------------|------------------------|---------|---------------------------|-------|------------|--------------|------|-------------------|---|----------------------|--------------------|---------------|------------------|
| 7X10A00USG | INDIA  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A00NSG | INDIA  | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash  | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A015SG | INDIA  | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A016SG | INDIA  | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A00LSG | INDIA  | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A00FSG | INDIA  | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1xOnboard              | 8x3.5"  | 4x3.5" SATA<br>SS         | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A007SG | INDIA  | 1xXeon Gold 6126<br>12C/2.6GHz/19.25MB/125W/DDR4-2666 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A008SG | INDIA  | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A001SG | INDIA  | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400  | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A002SG | INDIA  | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666    | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A02CSG | INDIA  | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133    | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |
| 7X10A027SG | INDIA  | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400       | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i               | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x550W<br>Platinum | 3-year        | 07/17            |

## ThinkSystem ST550 - Non TopSeller - JAPAN

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                       | Storage Controller     | Chassis | Disk Bays                 | Disks | M.2 Drives | Optical | GPU  | Networking (PCIe) | Security   | System Management    | Power Supply        | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|------------------------|---------|---------------------------|-------|------------|---------|------|-------------------|--|----------------------|---------------------|---------------|------------------|
| 7X10A009JP | JAPAN  | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH  | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X10A043JP | JAPAN  | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH  | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X10A044JP | JAPAN  | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD HH  | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Advanced | 1x550W<br>Platinum  | 3-year        | 07/17            |
| 7X10A045JP | JAPAN  | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH  | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X10A046JP | JAPAN  | 1xXeon Silver 4110<br>8C/2.1GHz/11MB/85W/DDR4-2400     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD HH  | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X10A047JP | JAPAN  | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash  | 8x3.5"  | 8x3.5"<br>SATA/SAS<br>HS  | Open  | None       | DVD HH  | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Advanced | 1x750W<br>Platinum  | 3-year        | 07/17            |
| 7X10A048JP | JAPAN  | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-24i<br>4GB flash | 16x2.5" | 20x2.5"<br>SATA/SAS<br>HS | Open  | None       | None    | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |
| 7X10A049JP | JAPAN  | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 2x16GB<br>RDIMM<br>DDR4-2666 | 1x930-16i<br>4GB flash | 16x2.5" | 16x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH  | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Advanced | 1x1100W<br>Platinum | 3-year        | 07/17            |

## ThinkSystem ST550 - Non TopSeller - LA

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Optical      | GPU  | Networking (PCIe) | Security                                  | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|-------|------------|--------------|------|-------------------|---|----------------------|--------------------|---------------|------------------|
| 7X10A04KLA | LA     | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04RLA | LA     | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04XLA | LA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A054LA | LA     | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A056LA | LA     | 1xXeon Gold 6130<br>16C/2.1GHz/22MB/125W/DDR4-2666     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A059LA | LA     | 1xXeon Gold 6138<br>20C/2.0GHz/27.5MB/125W/DDR4-2666   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A05ALA | LA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A05FLA | LA     | 1xXeon Gold 5115<br>10C/2.4GHz/13.75MB/85W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A05GLA | LA     | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A05HLA | LA     | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A05KLA | LA     | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i<br>2GB flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A05LLA | LA     | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x8GB<br>RDIMM<br>DDR4-2666  | 1x530-8i              | 8x3.5"  | 4x3.5"<br>SATA/SAS<br>HS | Open  | None       | DVD±RW<br>HH | None | None              | Chassis<br>Intrusion<br>Switch/TPM<br>1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

ThinkSystem ST550 - Non TopSeller - NA

Product Specifications Reference (PSREF)

| Model      | Region | Processor  | Memory                       | Storage Controller    | Chassis | Disk Bays                | Disks | M.2 Drives | Optical      | GPU  | Networking (PCIe) | Security   | System Management    | Power Supply       | Base Warranty | Ann Date (mm/yy) |
|------------|--------|--|------------------------------|-----------------------|---------|--------------------------|-------|------------|--------------|------|-------------------|--|----------------------|--------------------|---------------|------------------|
| 7X10A04YNA | NA     | 1xXeon Gold 5118<br>12C/2.3GHz/16.5MB/105W/DDR4-2400   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04ZNA | NA     | 1xXeon Gold 5120<br>14C/2.2GHz/19.25MB/105W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x930-8i 2GB<br>flash | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04TNA | NA     | 1xXeon Silver 4116<br>12C/2.1GHz/16.5MB/85W/DDR4-2400  | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04UNA | NA     | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1xOnboard             | 8x3.5"  | 8x3.5" SATA<br>SS        | Open  | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04VNA | NA     | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1xOnboard             | 8x3.5"  | 8x3.5" SATA<br>SS        | Open  | None       | DVD±RW<br>HH | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04NNA | NA     | 1xXeon Bronze 3104<br>6C/1.7GHz/8.25MB/85W/DDR4-2133   | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04PNA | NA     | 1xXeon Bronze 3106<br>8C/1.7GHz/11MB/85W/DDR4-2133     | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04HNA | NA     | 1xXeon Silver 4114<br>10C/2.2GHz/13.75MB/85W/DDR4-2400 | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04FNA | NA     | 1xXeon Silver 4110 8C/2.1GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |
| 7X10A04DNA | NA     | 1xXeon Silver 4108 8C/1.8GHz/11MB/85W/DDR4-2400        | 1x16GB<br>RDIMM<br>DDR4-2666 | 1x530-8i              | 16x2.5" | 8x2.5"<br>SATA/SAS<br>HS | Open  | None       | DVD HH       | None | None              | Security<br>Bezel/Chassis<br>Intrusion<br>Switch/TPM 1.2 | XClarity<br>Standard | 1x750W<br>Platinum | 3-year        | 07/17            |

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**Included software:** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

**Battery life:** Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

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**Product Specifications Reference**

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# Summary of Changes

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This section describes the technical changes made in this edition.

This edition might also include minor corrections and editorial changes which are not identified.

## September 13, 2017 - Version 512

### Additions in this update

▶ **New product(s)**

ThinkVision E21 new product announced August 2017

ThinkVision T24m new product announced August 2017

ThinkVision P27u new product announced August 2017

▶ **New model(s)**

None

▶ **Others**

None


### Changes in this update

None


### Withdrawals in this update

None




|   |   |                                  |         |                                 |         |
|---|---|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>E1922s Wide Flat Panel Monitor</b><br/>                 Case color <b>Black</b><br/>                 Type-model <b>60G2AAR6US / 60G2AAT6EU</b><br/>                 Panel <b>TFT-LCD, twisted nematic (TN), White LED backlight</b><br/>                 Viewable image size <b>18.5" (470mm) diagonal</b><br/>                 Max view area (W x H) <b>16.1" x 9.1" / 409.8mm x 230.4mm</b><br/>                 Native resolution <b>1366x768</b><br/>                 Aspect ratio <b>16:9</b><br/>                 Pixel pitch (mm) <b>0.3mm</b><br/>                 Dot/Pixel per Inch <b>85 dpi</b><br/>                 Brightness <b>200 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>600:1 (typical)</b><br/>                 Pixel response time <b>5ms (typical)</b><br/>                 Color gamut <b>72%</b><br/>                 Viewing angle at 10:1 CR <b>180° (+/- 90°) horizontal, 100° (+/- 50°) vertical</b><br/>                 Stand <b>Tilt adjustable stand</b><br/>                 Bezel width <b>Sides: 0.73" (18.5mm)</b><br/>                 Dimensions (HxWxD) <b>13.44" H x 17.65" W x 6.58" D;<br/>                 341.5mm H x 448.4mm W x 167.2mm D</b><br/>                 Power supply <b>13.7 watts typical, 17 watts maximum,<br/>                 &lt;0.5 watts standby/suspend, universal,<br/>                 integrated (no external brick-like power supply)</b><br/>                 Weight <b>6.03 lb; 2.74 kg</b><br/>                 Limited warranty<sup>4</sup> <b>3 year (includes backlight)</b><br/>                 Available date <b>March 2014</b></p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 18.5-inch monitor</li> <li>• Supports HD 1366x768 resolution</li> <li>• Supports VESA mount (100mm)</li> <li>• Mercury free panel and arsenic free glass</li> <li>• Kensington lock slot ready for enhanced security</li> <li>• Support Lenovo Tiny PC via VESA mount</li> <li>• Supports optional soundbar</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 8 / Windows 8.1 certified</li> </ul> |                                  |         |                                 |         |
| <p>VESA-compliant<sup>2</sup> <b>VESA DPMS-compliant</b><br/>                 Power management <b>ENERGY STAR® 7.0</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO (TCO Displays 7.0), WEEE, RoHS,<br/>                 EPEAT™ Gold rating</b></p>   | <div style="text-align: center;">  <p><b>ThinkVision E1922s Wide Monitor</b></p> </div>  |                                  |         |                                 |         |
| <p>Preset resolutions <b>VGA: 640x350, 640x480, 720x400<br/>                 SVGA: 800x600, 832x624<br/>                 XGA: 1024x768, 1152x864<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1366x768</b></p> <p>Presets / user settings <b>Standard presets: 15<br/>                 user settings: 16</b></p>   |   |                                  |         |                                 |         |
| <p>Viewing adjustments <b>Tilt: 20° backward, -5° forward</b><br/>                 Rotating screen <b>None</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (control buttons on front) for automatic image setup and adjustment for brightness</b><br/>                 Multiple input <b>None</b><br/>                 Monitor connectors <b>VGA 15-pin D-shell, analog, blue</b><br/>                 Signal cables <b>detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>   |   |                                  |         |                                 |         |
| <p>Ship group <b>Monitor with stand, 1.8 meter analog signal cable, 1.8 meter black power cord</b></p>  |   |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>  | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p>         | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock  | 73P2582   |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock   | 45K1620   |                                  |         |                                 |         |



|   |   |                                  |         |                                 |         |
|---|---|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>E2054 Wide Flat Panel Monitor</b><br/>                 Case color <b>Raven black</b><br/>                 Type-model <b>60DFAAR1US / 60DFAAT1EU</b><br/>                 Panel <b>TFT-LCD, In-Plane Switching (IPS), LED backlight</b><br/>                 Viewable image size <b>19.5" (494mm) diagonal</b><br/>                 Max view area (W x H) <b>16.48" x 10.33" / 418.6mm x 262.4mm</b><br/>                 Native resolution <b>1440x900</b><br/>                 Aspect ratio <b>16:10</b><br/>                 Pixel pitch (mm) <b>0.097mm x 0.292mm</b><br/>                 Dot/Pixel per Inch <b>87 dpi</b><br/>                 Brightness <b>250 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Pixel response time <b>7ms (typical)</b><br/>                 Color gamut <b>72%</b><br/>                 Viewing angle at 10:1 CR <b>178° (+/- 89°) horizontal, 178° (+/- 89°) vertical</b><br/>                 Stand <b>Tilt adjustable stand</b><br/>                 Bezel width <b>Top: 0.71" (18.0mm)</b><br/> <b>Bottom: 0.70" (17.9mm)</b><br/> <b>Sides: 1.02" (26.0mm)</b><br/>                 Dimensions (HxWxD) <b>14.65" H x 17.95" W x 7.41" D;</b><br/> <b>372.0mm H x 456.0mm W x 188.3mm D</b><br/>                 Power supply <b>16 watts typical, 20 watts maximum,</b><br/> <b>&lt;0.5 watts standby/suspend, universal,</b><br/> <b>integrated (no external brick-like power supply)</b><br/>                 Weight <b>6.17 lb; 2.8 kg</b><br/>                 Limited warranty <b>3 year (includes backlight)</b><br/>                 Available date <b>November 2015</b></p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 19.5-inch monitor</li> <li>• Supports HD 1440x900 resolution</li> <li>• Supports VESA mount (100mm)</li> <li>• Mercury free panel and arsenic free glass</li> <li>• Kensington lock slot ready for enhanced security</li> <li>• Support Lenovo Tiny PC via VESA mount</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 8 / Windows 8.1 certified</li> <li>• Microsoft Windows 10 certified</li> </ul> |                                  |         |                                 |         |
| <p>VESA-compliant <b>VESA DPMS-compliant</b><br/>                 Power management <b>ENERGY STAR® 6.0</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO (TCO Displays 6.0), WEEE, RoHS,</b><br/> <b>EPEAT™ Silver rating</b></p>  | <div style="text-align: center;">  <p><b>ThinkVision E2054 Wide Monitor</b></p> </div>   |                                  |         |                                 |         |
| <p>Preset resolutions <b>VGA: 640x480, 720x400</b><br/> <b>SVGA: 800x600</b><br/> <b>XGA: 1024x768</b><br/> <b>SXGA: 1280x768, 1280x1024</b><br/> <b>WXGA: 1366x768</b><br/> <b>WXGA+: 1440x900</b></p> <p>Presets / user settings <b>Standard presets: 18</b><br/> <b>user settings: 10</b></p>  |   |                                  |         |                                 |         |
| <p>Viewing adjustments <b>Tilt: 22° backward, -5° forward</b><br/>                 Rotating screen <b>None</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (control buttons on front) for automatic image setup and adjustment for brightness</b><br/>                 Multiple input <b>None</b><br/>                 Monitor connectors <b>VGA 15-pin D-shell, analog, blue</b><br/>                 Signal cables <b>detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>   |   |                                  |         |                                 |         |
| <p>Ship group <b>Monitor with stand, 1.8 meter analog signal cable, 1.8 meter black power cord</b></p>  |   |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>  | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p>             | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock  | 73P2582   |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock   | 45K1620   |                                  |         |                                 |         |






|   |  |                                  |         |                                 |         |                            |         |                                 |         |
|---|--|----------------------------------|---------|---------------------------------|---------|----------------------------|---------|---------------------------------|---------|
| <p>Name <b>LT1913p Square Flat Panel Monitor</b><br/>                 Case color <b>Black</b><br/>                 Type-model <b>60FBHAR1US / 60FBHAT1EU</b><br/>                 Panel TFT-LCD, In-Plane Switching (IPS), White LED backlight<br/>                 Viewable image size <b>19.0" (480.0mm) diagonal</b><br/>                 Max view area (W x H) <b>14.76" x 11.80" (374.7mm x 299.8mm)</b><br/>                 Optimum resolution <b>1280x1024</b><br/>                 Max pixel rate <b>205MHz (VGA), 165MHz (DVI)</b><br/>                 Aspect ratio <b>5:4</b><br/>                 Pixel pitch (mm) <b>0.0976 (H) x 0.2928 (V) mm</b><br/>                 Dot/Pixel per Inch <b>86.8 dpi</b><br/>                 Brightness <b>250 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Pixel response time <b>7ms (typical)</b><br/>                 Color gamut <b>72%</b><br/>                 Viewing angle at 10:1 CR <b>178° horizontal, 178° vertical</b><br/>                 Stand <b>Tilt, swivel, pivot, and height adjustable stand</b><br/>                 Bezel width <b>Sides: 0.68" (17.4mm); top: 0.68" (17.4mm); bottom: 0.68" (17.4mm)</b><br/>                 Dimensions (HxWxD) <b>14.63" H x 16.18" W x 10.40" D; 371.5mm H x 411.0mm W x 264.2mm D</b><br/>                 Power supply <b>24 watts typical, 27 watts maximum, &lt;0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)</b><br/>                 Weight <b>10.69 lb; 4.85kg</b><br/>                 Limited warranty<sup>4</sup> <b>3 year (includes backlight)</b><br/>                 Available date <b>April 2015</b></p> | <p><b>Features</b></p> <ul style="list-style-type: none"> <li>• 19-inch Square IPS LED backlit panel</li> <li>• Supports 1280x1024 resolution</li> <li>• Supports ThinkCentre Tiny Clamp Bracket</li> <li>• Mercury and arsenic free glass</li> <li>• Low Halogen</li> <li>• Recycled content in plastic material</li> <li>• Supports optional soundbar</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 8 / Windows 8.1 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>   |                                  |         |                                 |         |                            |         |                                 |         |
| <p>VESA-compliant<sup>2</sup> <b>VESA DDC2B/C1, EDID 1.3</b><br/>                 Power management <b>ENERGY STAR® 7.0</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 7.0, TCO Certified Edge 1.1, WEEE, RoHS, EPEAT™ Gold rating, ULE Gold</b></p> <p>Preset resolutions <b>VGA: 640x350, 640x480, 720x400</b><br/> <b>SVGA: 800x600, 823x624</b><br/> <b>XGA: 1024x768, 1152x864, 1152x900</b><br/> <b>SXGA: 1280x1024</b></p> <p>Presets / user settings <b>Standard presets: 20; user settings: 20</b></p>   |  <p><b>ThinkVision LT1913p Square Monitor</b></p>  |                                  |         |                                 |         |                            |         |                                 |         |
| <p>Viewing adjustments <b>Tilt: 30° back, -5° forward; lift: 4.3" (110mm); swivel: +/- 45°</b><br/>                 Rotating screen <b>Screen pivots 90 degrees from landscape to portrait</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (buttons on front) for automatic image setup, input switch, and brightness</b><br/>                 Multiple input <b>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</b><br/>                 Monitor connectors <b>(1) VGA 15-pin D-shell, analog, blue</b><br/> <b>(2) Digital Visual Interface (DVI-D), digital, white, HDCP-compliant</b><br/>                 Signal cables <b>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter</b><br/> <b>(2) detachable, DVI-D at each end, digital, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b><br/>                 Ship group <b>Monitor, attached stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord</b></p>  |  |                                  |         |                                 |         |                            |         |                                 |         |
| <p><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>  | <p><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>Lenovo Security Cable Lock</td> <td>57Y4303</td> </tr> <tr> <td>Lenovo Easy Reach Monitor Stand</td> <td>55Y9258</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 | Lenovo Security Cable Lock | 57Y4303 | Lenovo Easy Reach Monitor Stand | 55Y9258 |
| Kensington MicroSaver Cable Lock  | 73P2582  |                                  |         |                                 |         |                            |         |                                 |         |
| Kensington Twin Head Cable Lock   | 45K1620  |                                  |         |                                 |         |                            |         |                                 |         |
| Lenovo Security Cable Lock  | 57Y4303  |                                  |         |                                 |         |                            |         |                                 |         |
| Lenovo Easy Reach Monitor Stand   | 55Y9258  |                                  |         |                                 |         |                            |         |                                 |         |







|  |   |                                  |         |                                 |         |
|--|---|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>LT2024 Wide Flat Panel Monitor</b><br/>                 Case color <b>Business black</b><br/>                 Type-model <b>60B9HAR1US</b><br/>                 Panel <b>TFT-LCD, twisted nematic (TN), White LED backlight</b><br/>                 Viewable image size <b>20.0" (508mm) diagonal</b><br/>                 Max view area (W x H) <b>17.4" x 9.8" (442.8mm x 249.1mm)</b><br/>                 Native resolution <b>1600x900</b><br/>                 Aspect ratio <b>16:9</b><br/>                 Pixel pitch (mm) <b>.276mm</b><br/>                 Dot/Pixel per Inch <b>92 dpi</b><br/>                 Brightness <b>250 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Pixel response time <b>5ms (typical)</b><br/>                 Color gamut <b>72%</b><br/>                 Viewing angle at 10:1 CR <b>170° (+/- 85°) horizontal, 160° (+/- 80°) vertical</b><br/>                 Stand <b>Tilt adjustable stand</b><br/>                 Bezel width <b>Sides: 0.567" (14.4mm)</b><br/>                 Dimensions (HxWxD) <b>13.68" H x 18.83" W x 6.33" D;<br/>                 347.4mm H x 478.4mm W x 160.7mm D</b><br/>                 Power supply <b>19 watts typical, 22 watts maximum,<br/>                 &lt;0.5 watts standby/suspend, universal,<br/>                 integrated (no external brick-like power supply)</b><br/>                 Weight <b>6.75 lb; 3.07 kg</b><br/>                 Limited warranty<sup>4</sup> <b>3 year (includes backlight)</b><br/>                 Available date <b>March 2014</b></p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 20-inch monitor</li> <li>• Supports 1600x900 resolution</li> <li>• Includes dual input connection for attachment to two systems concurrently (analog and digital)</li> <li>• Arsenic / Mercury free glass</li> <li>• EPEAT Gold certified</li> <li>• Supports optional soundbar</li> <li>• Support Lenovo Tiny PC and 3rd party thin client</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 8 / Windows 8.1 certified</li> </ul> |                                  |         |                                 |         |
| <p>VESA-compliant<sup>2</sup> <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® qualified</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 6.0, TCO Certified Edge 1.2, WEEE,<br/>                 RoHS, <b>EPEAT™ Gold rating</b></b></p>   | <div style="text-align: center;">  <p><b>ThinkVision LT2024 Wide Monitor</b></p> </div>   |                                  |         |                                 |         |
| <p>Preset resolutions <b>VGA: 640x350, 640x480, 720x400<br/>                 SVGA: 800x600, 832x624<br/>                 XGA: 1024x768, 1152x864<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1366x768<br/>                 WXGA+: 1440x900, 1600x900</b></p> <p>Presets / user settings <b>Standard presets: 24<br/>                 user settings: 24</b></p>   |   |                                  |         |                                 |         |
| <p>Viewing adjustments <b>Tilt: 22° backward, -5° forward</b><br/>                 Rotating screen <b>None</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (buttons on front) for automatic image setup, dual input and brightness</b><br/>                 Multiple input <b>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</b><br/>                 Monitor connectors <b>(1) VGA 15-pin D-shell, analog, blue<br/>                 (2) Digital Visual Interface (DVI-D), digital, white, <b>HDCP-compliant</b></b><br/>                 Signal cables <b>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>  |   |                                  |         |                                 |         |
| <p>Ship group <b>Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter black power cord</b></p>  |   |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>   | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p>   | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock   | 73P2582   |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock  | 45K1620   |                                  |         |                                 |         |

See footnotes for important warranty information  
 US model announced February 18, 2014




|  |   |                                  |         |                                 |         |                                 |         |
|--|---|----------------------------------|---------|---------------------------------|---------|---------------------------------|---------|
| <p>Name <b>T1714 Square Flat Panel Monitor</b><br/>                 Case color <b>Black</b><br/>                 Type-model <b>60FDHAR1US / 60FDHAT1EU</b><br/>                 Panel <b>TFT-LCD, twisted nematic (TN), White LED backlight</b><br/>                 Viewable image size <b>17.0" (432mm) diagonal</b><br/>                 Max view area (W x H) <b>13.3" x 10.6" (337.9mm x 270.3mm)</b><br/>                 Optimum resolution <b>1280x1024</b><br/>                 Aspect ratio <b>5:4</b><br/>                 Pixel pitch (mm) <b>0.264mm</b><br/>                 Dot/Pixel per Inch <b>96 dpi</b><br/>                 Brightness <b>250 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Pixel response time <b>5ms (typical)</b><br/>                 Color gamut <b>72%</b><br/>                 Viewing angle at 10:1 CR <b>170° (+/- 85°) horizontal, 160° (+/- 80°) vertical</b><br/>                 Stand <b>Tilt stand</b><br/>                 Bezel width <b>Sides: 0.69" (17.5mm)</b><br/>                 Dimensions (HxWxD, including stand) <b>14.72" H x 14.74" W x 7.87" D;<br/>                 373.9mm H x 374.5mm W x 200mm D</b><br/>                 Power supply <b>14.0 watts typical, 18.0 watts maximum,<br/>                 &lt;0.5 watts standby/suspend, universal,<br/>                 integrated (no external brick-like power supply)</b><br/>                 Weight <b>5.75 lb; 2.61kg</b><br/>                 Limited warranty <b>3 year (includes backlight)</b><br/>                 Available date <b>September 2015</b></p> | <p><b>Features</b></p> <ul style="list-style-type: none"> <li>• 17-inch Square LCD monitor</li> <li>• Supports SXGA 1280x1024 resolution</li> <li>• Includes dual input connection for attachment to two systems concurrently (analog and digital)</li> <li>• Mercury Arsenic free glass</li> <li>• Supports optional soundbar</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 8 certified</li> <li>• Microsoft Windows 8.1 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>  |                                  |         |                                 |         |                                 |         |
| <p>VESA-compliant <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® 7.0</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE,<br/>                 RoHS, EPEAT™ Gold rating</b></p>  | <div style="text-align: center;">  <p><b>ThinkVision T1714 Monitor</b></p> </div>  |                                  |         |                                 |         |                                 |         |
| <p>Preset resolutions <b>VGA: 640x350, 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768, 1152x864,<br/>                 SXGA: 1280x800, 1280x1024</b></p> <p>Presets / user settings <b>Standard presets: 17;<br/>                 user settings: 17</b></p>   |   |                                  |         |                                 |         |                                 |         |
| <p>Viewing adjustments <b>Tilt: 22° back, -5° forward</b><br/>                 Rotating screen <b>None</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (buttons on front) for automatic image setup and brightness</b><br/>                 Multiple input <b>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</b><br/>                 Monitor connectors <b>(1) VGA 15-pin D-shell, analog, blue<br/>                 (2) Digital Visual Interface (DVI-D), digital, white, <b>HDCP-compliant</b></b><br/>                 Signal cables <b>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter<br/>                 (2) detachable, DVI-D at each end, digital, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>   |   |                                  |         |                                 |         |                                 |         |
| <p>Ship group <b>Monitor and stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable,<br/>                 1.8 meter DVI-D cable, 1.8 meter black power cord</b></p>   | <p><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p> <p><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>Lenovo Easy Reach Monitor Stand</td> <td>55Y9258</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 | Lenovo Easy Reach Monitor Stand | 55Y9258 |
| Kensington MicroSaver Cable Lock   | 73P2582   |                                  |         |                                 |         |                                 |         |
| Kensington Twin Head Cable Lock  | 45K1620   |                                  |         |                                 |         |                                 |         |
| Lenovo Easy Reach Monitor Stand  | 55Y9258   |                                  |         |                                 |         |                                 |         |



|  |   |                                  |         |                                 |         |                                 |         |
|--|---|----------------------------------|---------|---------------------------------|---------|---------------------------------|---------|
| <p>Name <b>T1714p Square Flat Panel Monitor</b><br/>                 Case color <b>Black</b><br/>                 Type-model <b>60FELAR1US / 60FELAT1EU</b><br/>                 Panel <b>TFT-LCD, twisted nematic (TN), White LED backlight</b><br/>                 Viewable image size <b>17.0" (432mm) diagonal</b><br/>                 Max view area (W x H) <b>13.3" x 10.6" (337.9mm x 270.3mm)</b><br/>                 Optimum resolution <b>1280x1024</b><br/>                 Aspect ratio <b>5:4</b><br/>                 Pixel pitch (mm) <b>0.264mm</b><br/>                 Dot/Pixel per Inch <b>96 dpi</b><br/>                 Brightness <b>250 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Pixel response time <b>5ms (typical)</b><br/>                 Color gamut <b>72%</b><br/>                 Viewing angle at 10:1 CR <b>170° (+/- 85°) horizontal, 160° (+/- 80°) vertical</b><br/>                 Stand <b>Tilt height adjustable stand</b><br/>                 Bezel width <b>Sides: 0.69" (17.5mm)</b><br/>                 Dimensions (HxWxD, including stand) <b>17.63" H x 14.74" W x 9.61" D; 447.9mm H x 374.5mm W x 244.2mm D</b><br/>                 Power supply <b>14.0 watts typical, 18.0 watts maximum, &lt;0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)</b><br/>                 Weight <b>8.71 lb; 3.95kg</b><br/>                 Limited warranty <b>3 year (includes backlight)</b><br/>                 Available date <b>September 2015</b></p> | <p><b>Features</b></p> <ul style="list-style-type: none"> <li>• 17-inch Square LCD monitor</li> <li>• Supports SXGA 1280x1024 resolution</li> <li>• Includes dual input connection for attachment to two systems concurrently (analog and digital)</li> <li>• Mercury Arsenic free glass</li> <li>• Supports Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket</li> <li>• Supports optional soundbar</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 8 certified</li> <li>• Microsoft Windows 8.1 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>             |                                  |         |                                 |         |                                 |         |
| <p>VESA-compliant <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® 7.0</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating</b></p>   | <div style="text-align: center;">  <p><b>ThinkVision T1714p Monitor</b></p> </div>  |                                  |         |                                 |         |                                 |         |
| <p>Preset resolutions <b>VGA: 640x350, 640x480, 720x400</b><br/> <b>SVGA: 800x600</b><br/> <b>XGA: 1024x768, 1152x864,</b><br/> <b>SXGA: 1280x800, 1280x1024</b><br/>                 Presets / user settings <b>Standard presets: 22;</b><br/> <b>user settings: 22</b></p>   |   |                                  |         |                                 |         |                                 |         |
| <p>Viewing adjustments <b>Tilt: 22° back, -5° forward; lift: 4.3" (110mm)</b><br/>                 Rotating screen <b>None</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (buttons on front) for automatic image setup and brightness</b><br/>                 Multiple input <b>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</b><br/>                 Monitor connectors <b>(1) VGA 15-pin D-shell, analog, blue</b><br/> <b>(2) Digital Visual Interface (DVI-D), digital, white, HDCP-compliant</b><br/> <b>(3) DisplayPort, digital, black, HDCP-compliant</b><br/>                 Signal cables <b>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter</b><br/> <b>(2) detachable, DVI-D at each end, digital, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>  | <p>Ship group <b>Monitor and stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord</b></p>   |                                  |         |                                 |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>   | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> <tr> <td>Lenovo Easy Reach Monitor Stand</td> <td style="text-align: right;">55Y9258</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 | Lenovo Easy Reach Monitor Stand | 55Y9258 |
| Kensington MicroSaver Cable Lock   | 73P2582   |                                  |         |                                 |         |                                 |         |
| Kensington Twin Head Cable Lock  | 45K1620   |                                  |         |                                 |         |                                 |         |
| Lenovo Easy Reach Monitor Stand  | 55Y9258   |                                  |         |                                 |         |                                 |         |







|   |  |                                  |         |                                 |         |
|---|--|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>T2054p Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Raven black</b><br/>                 Type-model <b>60G1MAR2US / 60G1MAT2EU</b><br/>                 Panel TFT-LCD, In-Plane Switching (IPS), White LED backlight</p> <p>Viewable image size <b>19.5" (495mm) diagonal</b><br/>                 Max view area (W x H) <b>16.48" x 10.33" (418.6mm x 262.4mm)</b><br/>                 Native resolution <b>1440x900</b><br/>                 Aspect ratio <b>16:10</b><br/>                 Pixel pitch (mm) <b>0.2915 x 0.2915 mm</b><br/>                 Dot/Pixel per Inch <b>87 dpi</b><br/>                 Brightness <b>250 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Pixel response time <b>7ms (typical)</b><br/>                 Color gamut <b>72%</b><br/>                 Viewing angle at 10:1 CR <b>178° (+/- 89°) horizontal, 178° (+/- 89°) vertical</b><br/>                 Stand <b>Tilt, swivel, and height adjustable</b><br/>                 Bezel width <b>Sides: 0.67" (17.0mm)</b><br/>                 Dimensions (HxWxD) <b>13.62" H x 17.88" W x 9.55" D;<br/>                 345.9mm H x 454.2mm W x 242.6mm D</b></p> <p>Power supply <b>14.5 watts typical, 21 watts maximum,<br/>                 &lt;0.3 watts standby/suspend, universal,<br/>                 integrated (no external brick-like power supply)</b></p> <p>Weight <b>8.16 lb; 3.70 kg</b><br/>                 Limited warranty<sup>4</sup> <b>3 year (includes backlight)</b><br/>                 Available date <b>September 2015</b></p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 19.5-inch monitor</li> <li>• Supports 1440x900 resolution</li> <li>• Supports ThinkCentre Tiny Clamp Bracket</li> <li>• Includes dual input connection for attachment to two systems concurrently (analog and digital)</li> <li>• EPEAT Gold certified</li> <li>• Supports optional soundbar</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 8 / Windows 8.1 certified</li> <li>• Microsoft Windows 10 certified</li> </ul> |                                  |         |                                 |         |
| <p>VESA-compliant<sup>2</sup> <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® qualified</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating</b></p>  | <div style="text-align: center;">  <p><b>ThinkVision T2054p Wide Monitor</b></p> </div>   |                                  |         |                                 |         |
| <p>Preset resolutions <b>VGA: 640x480, 720x400, 720x576<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768, 1152x864<br/>                 SXGA: 1280x800, 1280x1024<br/>                 WXGA: 1366x768<br/>                 WXGA+: 1440x900</b></p> <p>Presets / user settings <b>Standard presets: 22<br/>                 user settings: 16</b></p>   |  |                                  |         |                                 |         |
| <p>Viewing adjustments <b>Tilt: 22° backward, -5° forward; lift: 4.3" (110mm); swivel: +/-45°; detachable stand</b><br/>                 Rotating screen <b>None</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (buttons on front) for automatic image setup, dual input and brightness</b><br/>                 Multiple input <b>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</b><br/>                 Monitor connectors <b>(1) VGA 15-pin D-shell, analog, blue<br/>                 (2) HDMI (1.4), digital, <b>HDCP-compliant</b><br/>                 (3) DisplayPort, digital, black, <b>HDCP-compliant</b></b></p> <p>Signal cables <b>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter<br/>                 (2) detachable, DisplayPort at each end, digital, 1.8 meter</b></p> <p>Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>  |  |                                  |         |                                 |         |
| <p>Ship group <b>Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord</b></p>  |  |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>  | <p style="text-align: center;"><b>Accessories</b></p> <table border="0" style="width: 100%;"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p>               | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock  | 73P2582  |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock   | 45K1620  |                                  |         |                                 |         |






|  |   |                                  |         |                                 |         |
|--|---|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>E21 Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Black</b><br/>                 Type-model <b>61B9JAR1US / 61B9JAT1EU</b><br/>                 Panel TFT-LCD, twisted nematic (TN), White LED backlight<br/>                 Viewable image size <b>20.7" (525.78mm)</b> diagonal<br/>                 Max view area (W x H) <b>18.03" x 10.14" (457.92mm x 257.58mm)</b><br/>                 Native resolution <b>1920x1080</b><br/>                 Aspect ratio <b>16:9</b><br/>                 Pixel pitch (mm) <b>0.2385 x 0.2385 mm</b><br/>                 Dot/Pixel per Inch <b>106 dpi</b><br/>                 Brightness <b>250 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Pixel response time <b>5ms (typical)</b><br/>                 Color gamut <b>72%</b><br/>                 Viewing angle at 10:1 CR <b>170° (+/- 85°) horizontal, 178° (+/- 89°) vertical</b><br/>                 Stand <b>Tilt adjustable stand</b><br/>                 Bezel width <b>Sides: 0.6" (15.3mm)</b><br/>                 Dimensions (HxWxD) <b>14.6" H x 19.31" W x 8.07" D;<br/>                 370.9mm H x 490.5mm W x 204.9mm D</b><br/>                 Power supply <b>18 watts typical,<br/>                 23 watts maximum,<br/>                 &lt;0.3 watts standby/suspend, universal,<br/>                 integrated (no external brick-like power supply)</b><br/>                 Weight <b>5.82 lb; 2.64 kg</b><br/>                 Limited warranty <b>3 year (includes backlight)</b><br/>                 Available date <b>August 2017</b></p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 20.7-inch monitor</li> <li>• Supports 1920x1080 resolution</li> <li>• Supports ThinkCentre Tiny Clamp Bracket</li> <li>• Supports optional soundbar</li> <li>• EPEAT Gold certified</li> <li>• Low Blue Light certification</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>  |                                  |         |                                 |         |
| <p>VESA-compliant <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® qualified</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE,<br/>                 RoHS, <b>EPEAT™ Gold rating</b></b></p>   | <div style="text-align: center;">  <p><b>ThinkVision E21 Wide Monitor</b></p> </div>   |                                  |         |                                 |         |
| <p>Preset resolutions <b>VGA: 640x350, 640x480, 720x400<br/>                 SVGA: 800x600, 832x624<br/>                 XGA: 1024x768, 1152x864<br/>                 SXGA: 1280x1024<br/>                 WXGA+: 1440x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080</b></p> <p>Presets display modes <b>Standard presets: 22</b></p>   |   |                                  |         |                                 |         |
| <p>Viewing adjustments <b>Tilt: 22° back, -5° forward</b><br/>                 Rotating screen <b>None</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (buttons on front) for power, menu, input source select and brightness</b><br/>                 USB hub <b>None</b><br/>                 Multiple input <b>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</b><br/>                 Monitor connectors <b>(1) VGA 15-pin D-shell, analog, blue<br/>                 (2) DisplayPort (1.2), digital, black, <b>HDCP-compliant</b></b><br/>                 Signal cables <b>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>  |   |                                  |         |                                 |         |
| <p>Ship group <b>Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter black power cord</b></p>  |   |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>   | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock   | 73P2582   |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock  | 45K1620   |                                  |         |                                 |         |




|  |   |                                  |         |                                 |         |
|--|---|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>E24 Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Black</b><br/>                 Type-model <b>61B7JAR6US / 61B7JAT6EU</b><br/>                 Panel TFT-LCD, In-Plane Switching (IPS), White LED backlight<br/>                 Viewable image size <b>23.8" (604.7mm)</b> diagonal<br/>                 Max view area (W x H) <b>20.75" x 11.67"</b> (527.04mm x 296.46mm)<br/>                 Native resolution <b>1920x1080</b><br/>                 Aspect ratio 16:9<br/>                 Pixel pitch (mm) 0.2745 x 0.2745 mm<br/>                 Dot/Pixel per Inch 92.5 dpi<br/>                 Brightness 250 nits or cd/m<sup>2</sup> (typical)<br/>                 Contrast ratio 1000:1 (typical)<br/>                 Pixel response time 6ms (typical)<br/>                 Color gamut 72%<br/>                 Viewing angle at 10:1 CR 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical<br/>                 Stand Tilt adjustable stand<br/>                 Bezel width <i>Sides:</i> 0.51" (13mm)<br/>                 Dimensions (HxWxD) 15.9" H x 21.81" W x 8.07" D;<br/>                 403.8mm H x 554mm W x 204.9mm D<br/>                 Power supply 18 watts typical,<br/>                 23 watts maximum,<br/>                 &lt;0.3 watts standby/suspend, universal,<br/>                 integrated (no external brick-like power supply)<br/>                 Weight 8.2 lb; 3.7 kg<br/>                 Limited warranty <b>3 year</b> (includes backlight)<br/>                 Available date August 2017</p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 23.8-inch monitor</li> <li>• Supports 1920x1080 resolution</li> <li>• Supports ThinkCentre Tiny Clamp Bracket</li> <li>• Supports optional soundbar</li> <li>• Includes dual input connection for attachment to two systems concurrently</li> <li>• EPEAT Gold certified</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>   |                                  |         |                                 |         |
| <p>VESA-compliant VESA DDC2B/CI<br/>                 Power management ENERGY STAR® qualified<br/>                 Ergonomics ISO 9241-307<br/>                 Emission standards FCC Class B<br/>                 Environmental TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, <b>EPEAT™ Gold rating</b></p>   | <div style="text-align: center;">  <p><b>ThinkVision E24 Wide Monitor</b></p> </div>  |                                  |         |                                 |         |
| <p>Preset resolutions<br/>                 VGA: 640x350, 640x480, 720x400<br/>                 SVGA: 800x600, 832x624<br/>                 XGA: 1024x768, 1152x864<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1366x768<br/>                 WXGA+: 1440x900, 1600x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080</p> <p>Presets display modes Standard presets: 24; user settings: 20</p>   |   |                                  |         |                                 |         |
| <p>Viewing adjustments <i>Tilt:</i> 22° back, -5° forward<br/>                 Rotating screen None<br/>                 On screen display On screen display with digital user controls (8 languages)<br/>                 Control features Direct access (buttons on front) for power, menu, input source select and brightness<br/>                 USB hub None<br/>                 Multiple input Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)<br/>                 Monitor connectors (1) VGA 15-pin D-shell, analog, blue<br/>                 (2) DisplayPort, digital, black, <b>HDCP-compliant</b><br/>                 Signal cables (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter<br/>                 (2) detachable, DisplayPort at each end, digital, 1.8 meter<br/>                 Mounting features Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount<br/>                 Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>  |   |                                  |         |                                 |         |
| <p>Ship group Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord</p>  | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock   | 73P2582   |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock  | 45K1620   |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>   |   |                                  |         |                                 |         |



|   |  |                                  |         |                                 |         |                            |         |                        |         |                                 |         |
|---|--|----------------------------------|---------|---------------------------------|---------|----------------------------|---------|------------------------|---------|---------------------------------|---------|
| <p>Name <b>LT2423 Wide Flat Panel Monitor</b><br/>                 Case color <b>Business black</b><br/>                 Type-model <b>60A8KAR2US / 60A8KAT2EU</b><br/>                 Panel <b>TFT-LCD, twisted nematic (TN), White LED backlight</b><br/>                 Viewable image size <b>24" (610mm) diagonal</b><br/>                 Max view area (W x H) <b>20.9" x 11.8" (531.4mm x 298.9mm)</b><br/>                 Optimum resolution <b>1920x1080</b><br/>                 Max pixel rate <b>205MHz</b><br/>                 Aspect ratio <b>16:9</b><br/>                 Pixel pitch (mm) <b>0.278mm</b><br/>                 Dot/Pixel per Inch <b>92 dpi</b><br/>                 Brightness <b>250 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Contrast ratio <b>2000000:1</b><br/>                 Pixel response time <b>5ms</b><br/>                 Color gamut <b>72%</b><br/>                 Viewing angle at 10:1 CR <b>170° horizontal, 160° vertical</b><br/>                 Stand <b>Tilt stand</b><br/>                 Bezel width <b>Sides: 0.67" (17.0mm); top: 0.67" (17.0mm); bottom: 1.02" (26.0mm)</b></p> <p>Dimensions (HxWxD, excluding stand) <b>13.53" H x 22.33" W x 1.97" D;</b><br/>                 Dimensions (HxWxD, including stand) <b>343.7mm H x 567.1mm W x 50.0mm D</b><br/>                 Dimensions (HxWxD, including stand) <b>16.30" H x 22.33" W x 8.50" D;</b><br/>                 Dimensions (HxWxD, including stand) <b>414.3mm H x 567.1mm W x 216.7mm D</b><br/>                 Power supply <b>21 watts typical, 31 watts maximum, &lt;0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)</b></p> <p>Weight <b>8.30 lb; 3.76kg</b><br/>                 Limited warranty<sup>4</sup> <b>3 year (includes backlight)</b><br/>                 Available date <b>July 2013</b></p> | <p><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 24-inch monitor</li> <li>• Supports 1920x1080 resolution</li> <li>• Two 3W stereo speakers</li> <li>• Audio in (3.5mm)</li> <li>• Supports VGA and HDMI 1.4 interfaces</li> <li>• Supports optional soundbar</li> <li>• Support Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket</li> <li>• Microsoft® Windows® 8 certified</li> <li>• Arsenic/Lead/Mercury free</li> </ul>   |                                  |         |                                 |         |                            |         |                        |         |                                 |         |
| <p>VESA-compliant<sup>2</sup> <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® 6.0</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>MPR-2, FCC Class B</b><br/>                 Environmental <b>TCO Displays 6.0, TCO Certified Edge 1.2, WEEE, RoHS, EPEAT™ Gold rating, ULE Gold</b></p> <p>Preset resolutions <b>VGA: 640x350, 640x480, 720x400</b><br/> <b>SVGA: 800x600, 832x624</b><br/> <b>XGA: 1024x768, 1152x864</b><br/> <b>SXGA: 1280x1024</b><br/> <b>WXGA: 1366x768</b><br/> <b>WXGA+: 1440x900, 1600x900</b><br/> <b>WSXGA+: 1680x1050</b><br/> <b>Full HD: 1920x1080</b></p> <p>Presets / user settings <b>Standard presets: 24; User settings: 20</b></p>  |  <p><b>ThinkVision LT2423 Wide Monitor</b></p>  |                                  |         |                                 |         |                            |         |                        |         |                                 |         |
| <p>Viewing adjustments <b>Tilt: 22° back, -5° forward</b><br/>                 Rotating screen <b>None</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (buttons on front) for automatic image setup, input switch, and brightness</b><br/>                 Multimedia <b>Integrated stereo speakers (3 watts x 2)</b><br/>                 Multiple input <b>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</b><br/>                 Monitor connectors <b>(1) VGA 15-pin D-shell, analog, blue</b><br/> <b>(2) HDMI (1.4), digital, <b>HDCP-compliant</b></b><br/>                 Signal cables <b>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>  |  |                                  |         |                                 |         |                            |         |                        |         |                                 |         |
| <p>Ship group <b>Monitor, attached stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter Audio cable, 1.8 meter black power cord</b></p>   |  |                                  |         |                                 |         |                            |         |                        |         |                                 |         |
| <p><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>  | <p><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>Lenovo Security Cable Lock</td> <td>57Y4303</td> </tr> <tr> <td>ThinkCentre Extend Arm</td> <td>57Y4352</td> </tr> <tr> <td>Lenovo Easy Reach Monitor Stand</td> <td>55Y9258</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 | Lenovo Security Cable Lock | 57Y4303 | ThinkCentre Extend Arm | 57Y4352 | Lenovo Easy Reach Monitor Stand | 55Y9258 |
| Kensington MicroSaver Cable Lock  | 73P2582  |                                  |         |                                 |         |                            |         |                        |         |                                 |         |
| Kensington Twin Head Cable Lock   | 45K1620  |                                  |         |                                 |         |                            |         |                        |         |                                 |         |
| Lenovo Security Cable Lock  | 57Y4303  |                                  |         |                                 |         |                            |         |                        |         |                                 |         |
| ThinkCentre Extend Arm  | 57Y4352  |                                  |         |                                 |         |                            |         |                        |         |                                 |         |
| Lenovo Easy Reach Monitor Stand   | 55Y9258  |                                  |         |                                 |         |                            |         |                        |         |                                 |         |




|   |  |                                  |         |                                 |         |
|---|--|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>P24h Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Black</b><br/>                 Type-model <b>61AEGAR3US / 61AEGAT3EU</b><br/>                 Panel TFT-LCD, In-Plane Switching (IPS), White LED backlight<br/>                 Viewable image size <b>23.8" (604.7mm)</b> diagonal<br/>                 Max view area (W x H) <b>20.74" x 11.67"</b> (526.9mm x 296.4mm)<br/>                 Native resolution <b>2560x1440</b><br/>                 Aspect ratio 16:9<br/>                 Pixel pitch (mm) 0.2058x 0.2058 mm<br/>                 Dot/Pixel per Inch 124 dpi<br/>                 Brightness 300 nits or cd/m<sup>2</sup> (typical)<br/>                 Contrast ratio 1000:1 (typical)<br/>                 Pixel response time 4ms (extreme) / 6ms (typical)<br/>                 Color gamut 99% sRGB<br/>                 Viewing angle at 10:1 CR 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical<br/>                 Stand Tilt, swivel, pivot, and height adjustable stand<br/>                 Bezel width <i>Sides:</i> 0.08" (2.0mm)<br/>                 Dimensions (HxWxD) 14.7" H x 21.26" W x 10.3" D;<br/>                 373.4mm H x 540.2mm W x 261.75mm D<br/>                 Power supply 24 watts typical,<br/>                 120 watts maximum (with USB 3.0 hub),<br/>                 &lt;0.5 watts standby/suspend, universal,<br/>                 integrated (no external brick-like power supply)<br/>                 Weight 12.54 lb; 5.69 kg<br/>                 Limited warranty <b>3 year</b> (includes backlight)<br/>                 Available date April 2017</p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 23.8-inch monitor</li> <li>• Supports 2560x1440 resolution</li> <li>• Supports optional soundbar</li> <li>• Supports ThinkCentre Tiny Clamp Bracket</li> <li>• Includes dual input connection for attachment to two systems concurrently</li> <li>• EPEAT Gold certified</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>  |                                  |         |                                 |         |
| <p>VESA-compliant VESA DDC2B/CI<br/>                 Power management ENERGY STAR® qualified<br/>                 Ergonomics ISO 9241-307<br/>                 Emission standards FCC Class B<br/>                 Environmental TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, <b>EPEAT™ Gold rating</b></p>  | <div style="text-align: center;">  <p><b>ThinkVision P24h Wide Monitor</b></p> </div>  |                                  |         |                                 |         |
| <p>Preset resolutions<br/>                 VGA: 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1366x768<br/>                 WXGA+: 1440x900, 1680x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080, 1920x1200<br/>                 QHD: 2560x1440<br/>                 Presets display modes HDMI: 22; DP: 14</p>  |  |                                  |         |                                 |         |
| <p>Viewing adjustments <i>Tilt:</i> 30° back, -5° forward; <i>lift:</i> 4.3" (110mm); <i>swivel:</i> +/-45°; detachable stand<br/>                 Rotating screen Screen pivots 90 degrees from landscape to portrait<br/>                 On screen display On screen display with digital user controls (8 languages)<br/>                 Control features Direct access (buttons on front) for power, menu, input source select and brightness<br/>                 USB hub USB Hub: one USB Type-C upstream port, four USB 3.0 downstream ports<br/>                 Multimedia Audio-out, optional sound bar supported<br/>                 Camera None<br/>                 Multiple input Support HDMI, DisplayPort, USB 3.1 Type-C, DisplayPort-out<br/>                 Monitor connectors (1) 2*HDMI (1.4), digital, <b>HDCP-compliant</b><br/>                 (2) DisplayPort (1.2), digital, <b>HDCP-compliant</b><br/>                 (3) DisplayPort-out, digital<br/>                 (4) USB 3.1 Type-C<br/>                 Signal cables (1) USB 3.1 Type-C cable, 1.8 meter<br/>                 Mounting features Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount<br/>                 Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>   |  |                                  |         |                                 |         |
| <p>Ship group Monitor with stand, Safety and Warranty Information, 1.8 meter USB 3.1 Type-C cable, 1.8 meter black power cord</p>   | <p style="text-align: center;"><b>Accessories</b></p> <table border="0" style="width: 100%;"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock  | 73P2582  |                                  |         |                                 |         |
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| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>  |  |                                  |         |                                 |         |








|  |  |                                  |         |                                 |         |                            |         |
|--|--|----------------------------------|---------|---------------------------------|---------|----------------------------|---------|
| <p>Name <b>P24q Wide Flat Panel Monitor</b><br/>                 Case color <b>Black</b><br/>                 Type-model <b>61A5GAR3US / 61A5GAT3EU</b><br/>                 Panel TFT-LCD, IPS (In-Plane Switching), White LED backlight<br/>                 Viewable image size <b>23.8" (604.5mm)</b> diagonal<br/>                 Max view area (W x H) <b>20.74" x 11.67"</b> (526.85mm x 296.35mm)<br/>                 Optimum resolution <b>2560x1440</b><br/>                 Max pixel rate 300MHz<br/>                 Aspect ratio 16:9<br/>                 Pixel pitch (mm) 0.2058 x 0.2058mm<br/>                 Dot/Pixel per Inch 123 dpi<br/>                 Brightness 300 nits or cd/m<sup>2</sup> (typical)<br/>                 Contrast ratio 1000:1 (typical)<br/>                 Pixel response time 4ms<br/>                 Color gamut 99% sRGB<br/>                 Viewing angle at 10:1 CR 178° horizontal, 178° vertical<br/>                 Stand Tilt, swivel, pivot, and height adjustable stand<br/>                 Bezel width <i>Sides:</i> 0.08" (2mm)<br/>                 Dimensions 14.7" H x 21.26" W x 10.3" D;<br/>                 (HxWxD, including stand) 373.4mm H x 540.2mm W x 261.75mm D<br/>                 Power supply 24 watts typical,<br/>                 67 watts maximum (with USB),<br/>                 &lt;0.5 watts sleep/off;<br/>                 &lt;0.5 watts switch off<br/>                 integrated (no external brick-like power supply)<br/>                 Weight 12.35 lb; 5.6kg (including stand)<br/>                 Limited warranty <b>3 year</b><br/>                 Available date January 2017</p> | <p><b>Features</b></p> <ul style="list-style-type: none"> <li>• 23.8-inch IPS LED backlight monitor</li> <li>• Supports 2560x1440 resolution</li> <li>• 5-Ports USB hub, support USB 3.0</li> <li>• Support ThinkCentre Tiny</li> <li>• Supports optional soundbar</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>   |                                  |         |                                 |         |                            |         |
| <p>VESA-compliant VESA DDC2B/CI<br/>                 Power management ENERGY STAR® 7.0<br/>                 Ergonomics ISO 9241-307<br/>                 Emission standards FCC Class B<br/>                 Environmental TCO Displays 7.0, RoHS, <b>EPEAT™ Gold rating</b>, ULE Gold</p>   | <div style="text-align: center;">  <p><b>ThinkVision P24q Monitor</b></p> </div>   |                                  |         |                                 |         |                            |         |
| <p>Preset resolutions<br/>                 VGA: 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1366x768<br/>                 WXGA+: 1440x900, 1600x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080, 1920x1200<br/>                 QHD: 2560x1440</p> <p>Presets / user settings Standard presets: 20; user settings: 24</p>  |  |                                  |         |                                 |         |                            |         |
| <p>Viewing adjustments <i>Tilt:</i> 30° back, -5° forward; <i>lift:</i> 4.33" (110mm); <i>swivel:</i> +/-45°<br/>                 Rotating screen <b>Screen pivots 90 degrees from landscape to portrait</b><br/>                 On screen display On screen display with digital user controls (8 languages)<br/>                 Control features Direct access for menu, source switch, and brightness<br/>                 USB hub USB Hub: one USB 3.0 upstream port, four USB 3.0 downstream ports<br/>                 Multimedia Audio-out, optional sound bar supported<br/>                 Camera None<br/>                 Multiple input Support HDMI, DisplayPort, mini DisplayPort, DisplayPort-out<br/>                 Monitor connectors (1) 2*HDMI (1.4), digital, <b>HDCP-compliant</b><br/>                 (2) DisplayPort (1.2), digital, <b>HDCP-compliant</b><br/>                 (3) Mini DisplayPort, digital, <b>HDCP-compliant</b><br/>                 Signal cables (1) detachable, mini DisplayPort to DisplayPort, digital, 1.8 meter<br/>                 Mounting features Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)<br/>                 Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>   |  |                                  |         |                                 |         |                            |         |
| <p>Ship group Monitor, detachable stand, Quick start and safety poster, 1.8 meter USB 3.0 cable, 1.8 meter mini DP to DP cable, 1.8 meter black power cord</p>   | <p><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p> <p><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>Lenovo Security Cable Lock</td> <td>57Y4303</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 | Lenovo Security Cable Lock | 57Y4303 |
| Kensington MicroSaver Cable Lock   | 73P2582  |                                  |         |                                 |         |                            |         |
| Kensington Twin Head Cable Lock  | 45K1620  |                                  |         |                                 |         |                            |         |
| Lenovo Security Cable Lock   | 57Y4303  |                                  |         |                                 |         |                            |         |




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|--|--|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>T2224d Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Black</b><br/>                 Type-model <b>61B1JAR1US / 61B1JAT1EU</b><br/>                 Panel TFT-LCD, In-Plane Switching (IPS), White LED backlight<br/>                 Viewable image size <b>21.5" (546mm) diagonal</b><br/>                 Max view area (W x H) <b>18.74" x 10.54" (476.1mm x 267.8mm)</b><br/>                 Native resolution <b>1920x1080</b><br/>                 Aspect ratio 16:9<br/>                 Pixel pitch (mm) 0.248 x 0.248 mm<br/>                 Dot/Pixel per Inch 102 dpi<br/>                 Brightness 250 nits or cd/m<sup>2</sup> (typical)<br/>                 Contrast ratio 1000:1 (typical)<br/>                 Pixel response time 7ms (typical); 4ms (extreme mode)<br/>                 Color gamut 72%<br/>                 Viewing angle at 10:1 CR 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical<br/>                 Stand Tilt stand<br/>                 Bezel width <i>Sides:</i> 0.69" (17.6mm)<br/>                 Dimensions (HxWxD) 15.02" H x 20.19" W x 8.06" D;<br/>                 381.4mm H x 512.9mm W x 204.9mm D<br/>                 Power supply 20 watts typical, 25 watts maximum<br/>                 &lt;0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)<br/>                 Weight 6.48 lb; 2.94 kg<br/>                 Limited warranty <b>3 year</b> (includes backlight)<br/>                 Available date March 2017</p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 21.5-inch monitor</li> <li>• Supports 1920x1080 resolution</li> <li>• Supports optional soundbar</li> <li>• Supports ThinkCentre Tiny via VESA back mount</li> <li>• Includes dual input connection for attachment to two systems concurrently (analog and digital)</li> <li>• EPEAT Gold certified</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>   |                                  |         |                                 |         |
| <p>VESA-compliant VESA DDC2B/CI<br/>                 Power management ENERGY STAR® qualified<br/>                 Ergonomics ISO 9241-307<br/>                 Emission standards FCC Class B<br/>                 Environmental TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, <b>EPEAT™ Gold rating</b></p>   | <div style="text-align: center;">  <p><b>ThinkVision T2224d Wide Monitor</b></p> </div>   |                                  |         |                                 |         |
| <p>Preset resolutions<br/>                 VGA: 640x350, 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768, 1152x864<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1280x768, 1280x800, 1366x768<br/>                 WXGA+: 1440x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080<br/>                 Presets / user settings Standard presets: 22; user settings: 22</p>  |  |                                  |         |                                 |         |
| <p>Viewing adjustments <i>Tilt:</i> 22° back, -5° forward<br/>                 Rotating screen None<br/>                 On screen display On screen display with digital user controls (8 languages)<br/>                 Control features Direct access (buttons on front) for automatic image setup, dual input and brightness<br/>                 USB hub None<br/>                 Multiple input Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)<br/>                 Monitor connectors (1) VGA 15-pin D-shell, analog, blue<br/>                 (2) DisplayPort, digital, black, <b>HDCP-compliant</b><br/>                 Signal cables (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter<br/>                 (2) detachable, DisplayPort at each end, digital, 1.8 meter<br/>                 Mounting features Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount<br/>                 Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>   |  |                                  |         |                                 |         |
| <p>Ship group Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord</p>  | <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p> <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock   | 73P2582  |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock  | 45K1620  |                                  |         |                                 |         |





|   |   |                                  |         |                                 |         |
|---|---|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>T2224z Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Raven black</b><br/>                 Type-model <b>60F5MARG6US / 60F5MAT6EU</b><br/>                 Panel TFT-LCD, In-Plane Switching (IPS), White LED backlight</p> <p>Viewable image size <b>21.5" (546mm) diagonal</b><br/>                 Max view area (W x H) <b>18.74" x 10.54" (476.1mm x 267.8mm)</b><br/>                 Native resolution <b>1920x1080</b><br/>                 Aspect ratio 16:9<br/>                 Pixel pitch (mm) 0.248 x 0.248 mm<br/>                 Dot/Pixel per Inch 102 dpi<br/>                 Brightness 250 nits or cd/m<sup>2</sup> (typical)<br/>                 Contrast ratio 1000:1 (typical)<br/>                 Pixel response time 7ms (typical)<br/>                 Color gamut 72%<br/>                 Viewing angle at 10:1 CR 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical<br/>                 Stand Tilt, swivel, pivot, and height adjustable stand<br/>                 Bezel width <i>Sides:</i> 0.69" (17.6mm)<br/>                 Dimensions (HxWxD) 14.08" H x 20.19" W x 9.55" D;<br/>                 357.8mm H x 512.9mm W x 242.7mm D</p> <p>Power supply 21 watts typical,<br/>                 25 watts maximum (without USB 3.0 hub),<br/>                 45 watts maximum (with USB 3.0 hub),<br/>                 &lt;0.5 watts standby/suspend, universal,<br/>                 integrated (no external brick-like power supply)</p> <p>Weight 10.63 lb; 4.83 kg<br/>                 Limited warranty <b>3 year</b> (includes backlight)<br/>                 Available date March 2015</p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 21.5-inch monitor</li> <li>• Supports 1920x1080 resolution</li> <li>• Supports ThinkCentre Tiny Clamp Bracket</li> <li>• Supports optional soundbar</li> <li>• Includes dual input connection for attachment to two systems concurrently (analog and digital)</li> <li>• EPEAT Gold certified</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 8 / Windows 8.1 certified</li> <li>• Microsoft Windows 10 certified</li> </ul> |                                  |         |                                 |         |
| <p>VESA-compliant VESA DDC2B/CI<br/>                 Power management ENERGY STAR® qualified<br/>                 Ergonomics ISO 9241-307<br/>                 Emission standards FCC Class B<br/>                 Environmental TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, <b>EPEAT™ Gold rating</b></p> <p>Preset resolutions<br/>                 VGA: 640x350, 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768, 1152x864<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1280x768, 1280x800, 1366x768<br/>                 WXGA+: 1440x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080</p> <p>Presets / user settings Standard presets: 27; user settings: 20</p>  |  <p style="text-align: center;"><b>ThinkVision T2224z Wide Monitor</b></p>   |                                  |         |                                 |         |
| <p>Viewing adjustments <i>Tilt:</i> 30° back, -5° forward; <i>lift:</i> 4.3" (110mm); <i>swivel:</i> +/-45°; detachable stand<br/>                 Rotating screen Screen pivots 90 degrees from landscape to portrait<br/>                 On screen display On screen display with digital user controls (8 languages)<br/>                 Control features Direct access (buttons on front) for automatic image setup, dual input and brightness<br/>                 USB hub USB 3.0 Hub: 1 port into PC (USB 3.0); 2 ports for accessories (2 USB 3.0)<br/>                 Multimedia Integrated digital speakers (3 watts x 2)<br/>                 Camera Integrated camera (Full HD) and digital dual array microphone<br/>                 Multiple input Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)<br/>                 Monitor connectors (1) VGA 15-pin D-shell, analog, blue<br/>                 (2) HDMI (1.4), digital, <b>HDCP-compliant</b><br/>                 (3) DisplayPort, digital, black, <b>HDCP-compliant</b></p> <p>Signal cables (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter<br/>                 (2) detachable, DisplayPort at each end, digital, 1.8 meter</p> <p>Mounting features Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount<br/>                 Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>   | <p>Ship group Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord</p>   |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>  | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p>                                     | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock  | 73P2582   |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock   | 45K1620   |                                  |         |                                 |         |




|  |   |                                  |         |                                 |         |
|--|---|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>T2254p Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Raven black</b><br/>                 Type-model <b>60CCMAR2US / 60CCMAT2EU</b><br/>                 Panel <b>TFT-LCD, twisted nematic (TN), White LED backlight</b><br/>                 Viewable image size <b>22.0" (559mm) diagonal</b><br/>                 Max view area (W x H) <b>18.70" x 11.70" (473.8mm x 296.1mm)</b><br/>                 Native resolution <b>1680x1050</b><br/>                 Aspect ratio <b>16:10</b><br/>                 Pixel pitch (mm) <b>0.282 x 0.282 mm</b><br/>                 Dot/Pixel per Inch <b>90 dpi</b><br/>                 Brightness <b>250 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Pixel response time <b>5ms (typical)</b><br/>                 Color gamut <b>72%</b><br/>                 Viewing angle at 10:1 CR <b>170° (+/- 85°) horizontal, 160° (+/- 80°) vertical</b><br/>                 Stand <b>Tilt, swivel, pivot, and height adjustable stand</b><br/>                 Bezel width <b>Sides: 0.67" (17.1mm)</b><br/>                 Dimensions (HxWxD) <b>14.63" H x 20.01" W x 9.55" D;<br/>                 371.7mm H x 509.3mm W x 242.7mm D</b><br/>                 Power supply <b>20 watts typical,<br/>                 25 watts maximum,<br/>                 &lt;0.5 watts standby/suspend, universal,<br/>                 integrated (no external brick-like power supply)</b><br/>                 Weight <b>10.14 lb; 4.60 kg</b><br/>                 Limited warranty <b>3 year (includes backlight)</b><br/>                 Available date <b>March 2015</b></p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 22.0-inch monitor</li> <li>• Supports 1680x1050 resolution</li> <li>• Supports ThinkCentre Tiny Clamp Bracket</li> <li>• Supports optional soundbar</li> <li>• Includes dual input connection for attachment to two systems concurrently (analog and digital)</li> <li>• EPEAT Gold certified</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 8 / Windows 8.1 certified</li> <li>• Microsoft Windows 10 certified</li> </ul> |                                  |         |                                 |         |
| <p>VESA-compliant <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® qualified</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating</b></p>   | <div style="text-align: center;">  <p><b>ThinkVision T2254p Wide Monitor</b></p> </div>  |                                  |         |                                 |         |
| <p>Preset resolutions <b>VGA: 640x350, 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768, 1152x864<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1280x768, 1280x800, 1366x768<br/>                 WXGA+: 1440x900<br/>                 WSXGA+: 1600x900, 1680x1050</b></p> <p>Presets / user settings <b>Standard presets: 28;<br/>                 user settings: 20</b></p>  |   |                                  |         |                                 |         |
| <p>Viewing adjustments <b>Tilt: 30° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°; detachable stand</b><br/>                 Rotating screen <b>Screen pivots 90 degrees from landscape to portrait</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (buttons on front) for automatic image setup, dual input and brightness</b><br/>                 USB hub <b>None</b><br/>                 Multiple input <b>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</b><br/>                 Monitor connectors <b>(1) VGA 15-pin D-shell, analog, blue<br/>                 (2) HDMI (1.4), digital, <b>HDCP-compliant</b><br/>                 (3) DisplayPort, digital, black, <b>HDCP-compliant</b></b><br/>                 Signal cables <b>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter<br/>                 (2) detachable, DisplayPort at each end, digital, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>   |   |                                  |         |                                 |         |
| <p>Ship group <b>Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord</b></p>   |   |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>   | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p>                                     | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock   | 73P2582   |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock  | 45K1620   |                                  |         |                                 |         |






|  |   |                                  |         |                                 |         |
|--|---|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>T22i Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Black</b><br/>                 Type-model <b>61A9MAR1US / 61A9MAT1EU</b><br/>                 Panel TFT-LCD, In-Plane Switching (IPS), White LED backlight<br/>                 Viewable image size <b>21.5" (546mm) diagonal</b><br/>                 Max view area (W x H) <b>18.74" x 10.54" (476.1mm x 267.8mm)</b><br/>                 Native resolution <b>1920x1080</b><br/>                 Aspect ratio 16:9<br/>                 Pixel pitch (mm) 0.248 x 0.248 mm<br/>                 Dot/Pixel per Inch 102 dpi<br/>                 Brightness 250 nits or cd/m<sup>2</sup> (typical)<br/>                 Contrast ratio 1000:1 (typical)<br/>                 Pixel response time 6ms (typical); 4ms (extreme mode)<br/>                 Color gamut 72%<br/>                 Viewing angle at 10:1 CR 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical<br/>                 Stand Tilt, swivel, pivot, and height adjustable stand<br/>                 Bezel width <i>Sides:</i> 0.08" (2.0mm)<br/>                 Dimensions (HxWxD) 14.08" H x 19.28" W x 9.92" D;<br/>                 357.6mm H x 489.7mm W x 251.9mm D<br/>                 Power supply 16.5 watts typical,<br/>                 55 watts maximum (with USB 3.0 hub),<br/>                 &lt;0.5 watts standby/suspend, universal,<br/>                 integrated (no external brick-like power supply)<br/>                 Weight 10.85 lb; 4.92 kg<br/>                 Limited warranty <b>3 year</b> (includes backlight)<br/>                 Available date April 2017</p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 21.5-inch monitor</li> <li>• Supports 1920x1080 resolution</li> <li>• Supports optional soundbar</li> <li>• Supports ThinkCentre Tiny via VESA back mount</li> <li>• Includes dual input connection for attachment to two systems concurrently</li> <li>• EPEAT Gold certified</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>                                   |                                  |         |                                 |         |
| <p>VESA-compliant VESA DDC2B/CI<br/>                 Power management ENERGY STAR® qualified<br/>                 Ergonomics ISO 9241-307<br/>                 Emission standards FCC Class B<br/>                 Environmental TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, <b>EPEAT™ Gold rating</b></p>   | <div style="text-align: center;">  <p><b>ThinkVision T22i Wide Monitor</b></p> </div>  |                                  |         |                                 |         |
| <p>Preset resolutions<br/>                 VGA: 640x350, 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768, 1152x864<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1280x768, 1366x768<br/>                 WXGA+: 1440x900, 1680x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080<br/>                 Presets display modes HDMI: 17; DP: 17</p>   |   |                                  |         |                                 |         |
| <p>Viewing adjustments <i>Tilt:</i> 30° back, -5° forward; <i>lift:</i> 4.3" (110mm); <i>swivel:</i> +/-45°; detachable stand<br/>                 Rotating screen Screen pivots 90 degrees from landscape to portrait<br/>                 On screen display On screen display with digital user controls (8 languages)<br/>                 Control features Direct access (buttons on front) for power, menu, input source select and brightness<br/>                 USB hub USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0)<br/>                 Multiple input Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)<br/>                 Monitor connectors (1) VGA 15-pin D-shell, analog, blue<br/>                 (2) HDMI (1.4), digital, <b>HDCP-compliant</b><br/>                 (3) DisplayPort, digital, black, <b>HDCP-compliant</b><br/>                 Signal cables (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter<br/>                 (2) detachable, DisplayPort at each end, digital, 1.8 meter<br/>                 Mounting features Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount<br/>                 Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>   |   |                                  |         |                                 |         |
| <p>Ship group Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord</p>  |   |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>   | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock   | 73P2582   |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock  | 45K1620   |                                  |         |                                 |         |



|  |  |                                  |         |                                 |         |
|--|--|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>T2324d Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Black</b><br/>                 Type-model <b>60F3JAR2US / 60F3JAT2EU</b><br/>                 Panel <b>TFT-LCD, twisted nematic (TN), White LED backlight</b><br/>                 Viewable image size <b>23.0" (584mm) diagonal</b><br/>                 Max view area (W x H) <b>20.07" x 11.29" (509.8mm x 286.7mm)</b><br/>                 Native resolution <b>1920x1080</b><br/>                 Aspect ratio <b>16:9</b><br/>                 Pixel pitch (mm) <b>0.2655 x 0.2655 mm</b><br/>                 Dot/Pixel per Inch <b>96 dpi</b><br/>                 Brightness <b>250 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Pixel response time <b>5ms (typical)</b><br/>                 Color gamut <b>72%</b><br/>                 Viewing angle at 10:1 CR <b>170° (+/- 85°) horizontal, 160° (+/- 80°) vertical</b><br/>                 Stand <b>Tilt stand</b><br/>                 Bezel width <b>Sides: 0.68" (17.3mm)</b><br/>                 Dimensions (HxWxD) <b>15.75" H x 21.48" W x 8.06" D;<br/>                 400.3mm H x 545.8mm W x 204.9mm D</b><br/>                 Power supply <b>20 watts typical,<br/>                 27 watts maximum<br/>                 &lt;0.3 watts standby/suspend, universal,<br/>                 integrated (no external brick-like power supply)</b><br/>                 Weight <b>7.06 lb; 3.20 kg</b><br/>                 Limited warranty <b>3 year (includes backlight)</b><br/>                 Available date <b>June 2016</b></p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 23.0-inch monitor</li> <li>• Supports 1920x1080 resolution</li> <li>• Supports optional soundbar</li> <li>• Supports ThinkCentre Tiny via VESA back mount</li> <li>• Includes dual input connection for attachment to two systems concurrently (analog and digital)</li> <li>• EPEAT Gold certified</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>                                   |                                  |         |                                 |         |
| <p>VESA-compliant <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® qualified</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE,<br/>                 RoHS, EPEAT™ Gold rating</b></p>  | <div style="text-align: center;">  <p><b>ThinkVision T2324d Wide Monitor</b></p> </div>   |                                  |         |                                 |         |
| <p>Preset resolutions <b>VGA: 640x350, 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768, 1152x864<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1280x768, 1280x800, 1366x768<br/>                 WXGA+: 1440x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080</b></p> <p>Presets / user settings <b>Standard presets: 26; user settings: 16</b></p>   |  |                                  |         |                                 |         |
| <p>Viewing adjustments <b>Tilt: 22° back, -5°</b><br/>                 Rotating screen <b>None</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (buttons on front) for automatic image setup, dual input and brightness</b><br/>                 USB hub <b>None</b><br/>                 Multiple input <b>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</b><br/>                 Monitor connectors <b>(1) VGA 15-pin D-shell, analog, blue<br/>                 (2) DisplayPort, digital, black, <b>HDCP-compliant</b></b><br/>                 Signal cables <b>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter<br/>                 (2) detachable, DisplayPort at each end, digital, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>  |  |                                  |         |                                 |         |
| <p>Ship group <b>Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord</b></p>   | <p style="text-align: center;"><b>Accessories</b></p> <table border="0" style="width: 100%;"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock   | 73P2582  |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock  | 45K1620  |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>   |  |                                  |         |                                 |         |




|   |   |                                    |       |                  |      |                    |       |           |       |          |        |                    |         |           |          |           |  |
|---|---|------------------------------------|-------|------------------|------|--------------------|-------|-----------|-------|----------|--------|--------------------|---------|-----------|----------|-----------|--|
| <p>Name <b>T2364t Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Black</b><br/>                 Type-model <b>60E9MAR1US / 60E9MAT1EU</b><br/>                 Panel TFT-LCD, In-Plane Switching (IPS), White LED backlight</p> <p>Viewable image size <b>23.0" (584mm)</b> diagonal<br/>                 Max view area (W x H) <b>20.05" x 11.28" (509.2mm x 286.4mm)</b><br/>                 Native resolution <b>1920x1080</b></p> <p>Touch Supports 10-point touch</p> <p>Aspect ratio 16:9<br/>                 Pixel pitch (mm) 0.2652 x 0.2652 mm<br/>                 Dot/Pixel per Inch 95 dpi<br/>                 Brightness 250 nits or cd/m<sup>2</sup> (typical)<br/>                 Contrast ratio 1000:1 (typical)<br/>                 Pixel response time 7ms (typical)<br/>                 Color gamut 72%</p> <p>Viewing angle at 10:1 CR 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical</p> <p>Stand Tilt adjustable stand<br/>                 Bezel width <i>Sides:</i> 0.079" (2.0mm)<br/>                 Dimensions (HxWxD) 12.53" H x 20.56" W x 2.86" D;<br/>                 318.2mm H x 522.2mm W x 72.7mm D</p> <p>Power supply 22 watts typical, 45 watts maximum, &lt;0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)</p> <p>Weight 9.24 lb; 4.32 kg<br/>                 Limited warranty <b>3 year</b> (includes backlight)<br/>                 Available date June 2015</p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 23.0-inch monitor</li> <li>• Supports 1920x1080 resolution</li> <li>• Includes dual input connection for attachment to two systems concurrently</li> <li>• EPEAT Gold certified</li> <li>• 10-point touch screen</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul> |                                    |       |                  |      |                    |       |           |       |          |        |                    |         |           |          |           |  |
| <p>VESA-compliant VESA DDC2B/CI<br/>                 Power management ENERGY STAR® qualified<br/>                 Ergonomics ISO 9241-307<br/>                 Emission standards FCC Class B<br/>                 Environmental TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, <b>EPEAT™ Gold rating</b></p>  | <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <p style="text-align: center;"><b>ThinkVision T2364t</b></p>   |                                    |       |                  |      |                    |       |           |       |          |        |                    |         |           |          |           |  |
| <p>Preset resolutions</p> <table border="0"> <tr><td>VGA:</td><td>640x350, 640x480, 720x400, 700x570</td></tr> <tr><td>SVGA:</td><td>800x600, 832x624</td></tr> <tr><td>XGA:</td><td>1024x768, 1152x864</td></tr> <tr><td>SXGA:</td><td>1280x1024</td></tr> <tr><td>WXGA:</td><td>1366x768</td></tr> <tr><td>WXGA+:</td><td>1440x900, 1600x900</td></tr> <tr><td>WSXGA+:</td><td>1680x1050</td></tr> <tr><td>Full HD:</td><td>1920x1080</td></tr> </table> <p>Presets / user settings User settings: 20</p>   | VGA:  | 640x350, 640x480, 720x400, 700x570 | SVGA: | 800x600, 832x624 | XGA: | 1024x768, 1152x864 | SXGA: | 1280x1024 | WXGA: | 1366x768 | WXGA+: | 1440x900, 1600x900 | WSXGA+: | 1680x1050 | Full HD: | 1920x1080 | <p>Viewing adjustments <i>Tilt:</i> 10° - 70° degrees; detachable stand<br/>                 Rotating screen None<br/>                 On screen display On screen display with digital user controls (8 languages)<br/>                 Control features Direct access (buttons on front) for automatic image setup, dual input and brightness<br/>                 USB hub USB 3.0 Hub: 1 port into PC (USB 3.0); 3 ports for accessories (3 USB 3.0)<br/>                 Multiple input Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)<br/>                 Monitor connectors (1) VGA 15-pin D-shell, analog, blue<br/>                 (2) HDMI (1.4), digital, HDCP-compliant<br/>                 (3) DisplayPort, digital, black, HDCP-compliant</p> <p>Signal cables (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter<br/>                 (2) detachable, HDMI at each end, digital, 1.8 meter<br/>                 (3) detachable, DisplayPort at each end, digital, 1.8 meter</p> <p>Mounting features Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount<br/>                 Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p> <p>Ship group Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter HDMI cable, 1.8 meter DisplayPort cable, 1.8 meter USB signal cable, 1.8 meter black power cord</p> |
| VGA:  | 640x350, 640x480, 720x400, 700x570  |                                    |       |                  |      |                    |       |           |       |          |        |                    |         |           |          |           |  |
| SVGA:   | 800x600, 832x624  |                                    |       |                  |      |                    |       |           |       |          |        |                    |         |           |          |           |  |
| XGA:  | 1024x768, 1152x864  |                                    |       |                  |      |                    |       |           |       |          |        |                    |         |           |          |           |  |
| SXGA:   | 1280x1024   |                                    |       |                  |      |                    |       |           |       |          |        |                    |         |           |          |           |  |
| WXGA:   | 1366x768  |                                    |       |                  |      |                    |       |           |       |          |        |                    |         |           |          |           |  |
| WXGA+:  | 1440x900, 1600x900  |                                    |       |                  |      |                    |       |           |       |          |        |                    |         |           |          |           |  |
| WSXGA+:   | 1680x1050   |                                    |       |                  |      |                    |       |           |       |          |        |                    |         |           |          |           |  |
| Full HD:  | 1920x1080   |                                    |       |                  |      |                    |       |           |       |          |        |                    |         |           |          |           |  |

|  |   |                                  |         |                                 |         |
|--|---|----------------------------------|---------|---------------------------------|---------|
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p> | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock   | 73P2582   |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock  | 45K1620   |                                  |         |                                 |         |





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|---|---|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>T23i Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Black</b><br/>                 Type-model <b>61ABMAR1US / 61ABMAT1EU</b><br/>                 Panel TFT-LCD, In-Plane Switching (IPS), White LED backlight<br/>                 Viewable image size <b>23" (584.2mm) diagonal</b><br/>                 Max view area (W x H) <b>20.36" x 11.92" (517.2mm x 302.8mm)</b><br/>                 Native resolution <b>1920x1080</b><br/>                 Aspect ratio <b>16:9</b><br/>                 Pixel pitch (mm) <b>0.2652 x 0.2652 mm</b><br/>                 Dot/Pixel per Inch <b>95.8 dpi</b><br/>                 Brightness <b>250 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Pixel response time <b>6ms (typical)</b><br/>                 Color gamut <b>72%</b><br/>                 Viewing angle at 10:1 CR <b>178° (+/- 89°) horizontal, 178° (+/- 89°) vertical</b><br/>                 Stand <b>Tilt, swivel, pivot, and height adjustable stand</b><br/>                 Bezel width <b>Sides: 0.08" (2.0mm)</b><br/>                 Dimensions (HxWxD) <b>13.3" H x 20.56" W x 10.4" D; 337.7mm H x 522.2mm W x 264.2mm D</b><br/>                 Power supply <b>16 watts typical, 45 watts maximum (with USB 3.0 hub), &lt;0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)</b><br/>                 Weight <b>10.85 lb; 4.92 kg</b><br/>                 Limited warranty <b>3 year (includes backlight)</b><br/>                 Available date <b>April 2017</b></p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 23-inch monitor</li> <li>• Supports 1920x1080 resolution</li> <li>• Supports ThinkCentre Tiny Clamp Bracket</li> <li>• Includes dual input connection for attachment to two systems concurrently</li> <li>• EPEAT Gold certified</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>   |                                  |         |                                 |         |
| <p>VESA-compliant <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® qualified</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating</b></p> <p>Preset resolutions <b>VGA: 640x480, 720x400</b><br/> <b>SVGA: 800x600</b><br/> <b>XGA: 1024x768, 1152x864</b><br/> <b>SXGA: 1280x1024</b><br/> <b>WXGA+: 1440x900</b><br/> <b>WSXGA+: 1680x1050</b><br/> <b>Full HD: 1920x1080</b></p> <p>Presets display modes <b>HDMI: 18; DP: 18</b></p>   | <div style="text-align: center;">  <p><b>ThinkVision T23i Wide Monitor</b></p> </div>  |                                  |         |                                 |         |
| <p>Viewing adjustments <b>Tilt: 30° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°; detachable stand</b><br/>                 Rotating screen <b>Screen pivots 90 degrees from landscape to portrait</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (buttons on front) for power, menu, input source select and brightness and automatic image setup</b><br/>                 USB hub <b>USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0)</b><br/>                 Multiple input <b>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</b><br/>                 Monitor connectors <b>(1) VGA 15-pin D-shell, analog, blue</b><br/> <b>(2) HDMI (1.4), digital, <b>HDCP-compliant</b></b><br/> <b>(3) DisplayPort, digital, black, <b>HDCP-compliant</b></b><br/>                 Signal cables <b>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter</b><br/> <b>(2) detachable, DisplayPort at each end, digital, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>  |   |                                  |         |                                 |         |
| <p>Ship group <b>Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord</b></p>  |   |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>  | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock  | 73P2582   |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock   | 45K1620   |                                  |         |                                 |         |





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|--|---|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>T2424z Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Raven black</b><br/>                 Type-model <b>60F8MAR1US / 60F8MAT1EU</b><br/>                 Panel TFT-LCD, In-Plane Switching (IPS), White LED backlight<br/>                 Viewable image size <b>23.8" (604.7mm) diagonal</b><br/>                 Max view area (W x H) <b>20.75" x 11.67" (527.0mm x 296.5mm)</b><br/>                 Native resolution <b>1920x1080</b><br/>                 Aspect ratio <b>16:9</b><br/>                 Pixel pitch (mm) <b>0.2745 x 0.2745 mm</b><br/>                 Dot/Pixel per Inch <b>92 dpi</b><br/>                 Brightness <b>250 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Pixel response time <b>7ms (typical)</b><br/>                 Color gamut <b>72%</b><br/>                 Viewing angle at 10:1 CR <b>178° (+/- 89°) horizontal, 178° (+/- 89°) vertical</b><br/>                 Stand <b>Tilt, swivel, pivot, and height adjustable stand</b><br/>                 Bezel width <b>Sides: 0.69" (17.5mm)</b><br/>                 Dimensions (HxWxD) <b>19.53" H x 22.19" W x 10.39" D; 496.0mm H x 563.6mm W x 264.2mm D</b><br/>                 Power supply <b>22 watts typical, 40 watts maximum (without USB 3.0 hub), &lt;0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)</b><br/>                 Weight <b>12.90 lb; 5.85 kg</b><br/>                 Limited warranty <b>3 year (includes backlight)</b><br/>                 Available date <b>June 2016</b></p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 23.8-inch monitor</li> <li>• Supports 1920x1080 resolution</li> <li>• Supports ThinkCentre Tiny Clamp Bracket</li> <li>• Includes dual input connection for attachment to two systems concurrently (analog and digital)</li> <li>• EPEAT Gold certified</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 8 / Windows 8.1 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>   |                                  |         |                                 |         |
| <p>VESA-compliant <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® qualified</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating</b></p>   | <div style="text-align: center;">  <p><b>ThinkVision T2424z Wide Monitor</b></p> </div>   |                                  |         |                                 |         |
| <p>Preset resolutions <b>VGA: 640x350, 640x480, 720x400</b><br/> <b>SVGA: 800x600</b><br/> <b>XGA: 1024x768, 1152x864</b><br/> <b>SXGA: 1280x1024</b><br/> <b>WXGA+: 1440x900, 1600x900</b><br/> <b>WSXGA+: 1680x1050</b><br/> <b>Full HD: 1920x1080</b></p>   |   |                                  |         |                                 |         |
| <p>Presets / user settings <b>Standard presets: 31; user settings: 20</b></p>  |   |                                  |         |                                 |         |
| <p>Viewing adjustments <b>Tilt: 30° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°; detachable stand</b><br/>                 Rotating screen <b>Screen pivots 90 degrees from landscape to portrait</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (buttons on front) for automatic image setup, dual input and brightness</b><br/>                 USB hub <b>USB 3.0 Hub: 1 port into PC (USB 3.0); 2 ports for accessories (2 USB 3.0)</b><br/>                 Multimedia <b>Integrated digital speakers (3 watts x 2)</b><br/>                 Camera <b>Integrated camera (Full HD) and digital dual array microphone</b><br/>                 Multiple input <b>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</b><br/>                 Monitor connectors <b>(1) VGA 15-pin D-shell, analog, blue</b><br/> <b>(2) HDMI (1.4), digital, <b>HDCP-compliant</b></b><br/> <b>(3) DisplayPort, digital, black, <b>HDCP-compliant</b></b><br/>                 Signal cables <b>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter</b><br/> <b>(2) detachable, DisplayPort at each end, digital, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>  | <p>Ship group <b>Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord</b></p>  |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>   | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock   | 73P2582   |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock  | 45K1620   |                                  |         |                                 |         |




|   |   |                                  |         |                                 |         |
|---|---|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>T2454p Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Raven black</b><br/>                 Type-model <b>60F9MAR1US / 60F9MAT1EU</b><br/>                 Panel TFT-LCD, In-Plane Switching (IPS), White LED backlight</p> <p>Viewable image size <b>24.0" (609.6mm)</b> diagonal<br/>                 Max view area (W x H) <b>20.41" x 12.76" (518.4mm x 324.0mm)</b><br/>                 Native resolution <b>1920x1200</b><br/>                 Aspect ratio <b>16:10</b><br/>                 Pixel pitch (mm) <b>0.270 x 0.270 mm</b><br/>                 Dot/Pixel per Inch <b>94 dpi</b><br/>                 Brightness <b>300 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Pixel response time <b>7ms (typical)</b><br/>                 Color gamut <b>77.4%</b><br/>                 Viewing angle at 10:1 CR <b>178° (+/- 89°) horizontal, 178° (+/- 89°) vertical</b><br/>                 Stand <b>Tilt, swivel, pivot, and height adjustable stand</b><br/>                 Bezel width <b>Sides: 0.74" (18.8mm)</b><br/>                 Dimensions (HxWxD) <b>15.85" H x 21.94" W x 10.39" D; 402.5mm H x 557.4mm W x 264.2mm D</b></p> <p>Power supply <b>24 watts typical, 27 watts maximum (without USB 3.0 hub), 54 watts maximum (with USB 3.0 hub), &lt;0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)</b></p> <p>Weight <b>13.60 lb; 6.15 kg</b><br/>                 Limited warranty <b>3 year (includes backlight)</b><br/>                 Available date <b>March 2015</b></p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 24.0-inch monitor</li> <li>• Supports 1920x1200 resolution</li> <li>• Supports ThinkCentre Tiny Clamp Bracket</li> <li>• Supports optional soundbar</li> <li>• Includes dual input connection for attachment to two systems concurrently (analog and digital)</li> <li>• EPEAT Gold certified</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 8 / Windows 8.1 certified</li> <li>• Microsoft Windows 10 certified</li> </ul> |                                  |         |                                 |         |
| <p>VESA-compliant <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® qualified</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating</b></p> <p>Preset resolutions <b>VGA: 640x350, 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1280x720, 1280x768, 1280x800<br/>                 WXGA+: 1440x900<br/>                 WSXGA+: 1680x1050, 1600x1200<br/>                 Full HD: 1920x1080, 1920x1200</b></p> <p>Presets / user settings <b>Standard presets: 21; user settings: 20</b></p>   |  <p style="text-align: center;"><b>ThinkVision T2454p Wide Monitor</b></p>   |                                  |         |                                 |         |
| <p>Viewing adjustments <b>Tilt: 30° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°; detachable stand</b><br/>                 Rotating screen <b>Screen pivots 90 degrees from landscape to portrait</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (buttons on front) for automatic image setup, dual input and brightness</b><br/>                 USB hub <b>USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0)</b><br/>                 Multiple input <b>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</b><br/>                 Monitor connectors <b>(1) VGA 15-pin D-shell, analog, blue<br/>                 (2) HDMI (1.4), digital, <b>HDCP-compliant</b><br/>                 (3) DisplayPort, digital, black, <b>HDCP-compliant</b></b></p> <p>Signal cables <b>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter<br/>                 (2) detachable, DisplayPort at each end, digital, 1.8 meter</b></p> <p>Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>  |   |                                  |         |                                 |         |
| <p>Ship group <b>Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DisplayPort cable, 1.8 meter USB signal cable, 1.8 meter black power cord</b></p>  |   |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>  | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p>                                     | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock  | 73P2582   |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock   | 45K1620   |                                  |         |                                 |         |



|   |   |                                  |         |                                 |         |
|---|---|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>T24d Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Black</b><br/>                 Type-model <b>61B4MAR1US / 61B4MAT1EU</b><br/>                 Panel TFT-LCD, In-Plane Switching (IPS), White LED backlight</p> <p>Viewable image size <b>24" (609.6mm) diagonal</b><br/>                 Max view area (W x H) <b>20.41" x 12.75" (518.4mm x 324mm)</b><br/>                 Native resolution <b>1920x1200</b><br/>                 Aspect ratio <b>16:10</b><br/>                 Pixel pitch (mm) <b>0.27 x 0.27 mm</b><br/>                 Dot/Pixel per Inch <b>94 dpi</b><br/>                 Brightness <b>300 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Pixel response time <b>7ms (typical)</b><br/>                 Color gamut <b>99%</b><br/>                 Viewing angle at 10:1 CR <b>178° (+/- 89°) horizontal, 178° (+/- 89°) vertical</b><br/>                 Stand <b>Tilt, swivel, pivot, and height adjustable stand</b><br/>                 Bezel width <b>Sides: 0.08" (2.0mm)</b><br/>                 Dimensions (HxWxD) <b>19.58" H x 20.99" W x 10.25" D; 497.4mm H x 533.2mm W x 260.4mm D</b></p> <p>Power supply <b>22 watts typical, 64 watts maximum (with USB 3.0 hub), &lt;0.3 watts standby/suspend, universal, integrated (no external brick-like power supply)</b></p> <p>Weight <b>12.41 lb; 5.63 kg</b><br/>                 Limited warranty <b>3 year (includes backlight)</b><br/>                 Available date <b>June 2017</b></p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 24-inch monitor</li> <li>• Supports 1920x1200 resolution</li> <li>• Supports ThinkCentre Tiny Clamp Bracket</li> <li>• Supports optional soundbar</li> <li>• Includes dual input connection for attachment to two systems concurrently</li> <li>• EPEAT Gold certified</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>   |                                  |         |                                 |         |
| <p>VESA-compliant <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® qualified</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating</b></p> <p>Preset resolutions <b>VGA: 640x480, 720x400</b><br/> <b>SVGA: 800x600</b><br/> <b>XGA: 1024x768</b><br/> <b>SXGA: 1280x1024</b><br/> <b>WXGA: 1366x768</b><br/> <b>WXGA+: 1440x900</b><br/> <b>WSXGA+: 1680x1050</b><br/> <b>Full HD: 1920x1080</b><br/> <b>WUXGA: 1920x1200</b></p> <p>Presets display modes <b>Standard presets: 22; user settings: 20</b></p>  | <div style="text-align: center;">  <p><b>ThinkVision T24d Wide Monitor</b></p> </div>   |                                  |         |                                 |         |
| <p>Viewing adjustments <b>Tilt: 30° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°; detachable stand</b><br/>                 Rotating screen <b>Screen pivots 90 degrees from landscape to portrait</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (buttons on front) for power, menu, input source select and brightness</b><br/>                 USB hub <b>USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0)</b><br/>                 Multiple input <b>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</b><br/>                 Monitor connectors <b>(1) VGA 15-pin D-shell, analog, blue</b><br/> <b>(2) HDMI (1.4), digital, <b>HDCP-compliant</b></b><br/> <b>(3) DisplayPort, digital, black, <b>HDCP-compliant</b></b></p> <p>Signal cables <b>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter</b><br/> <b>(2) detachable, DisplayPort at each end, digital, 1.8 meter</b></p> <p>Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>  | <p>Ship group <b>Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord, 1.8 meter HDMI signal cable (NA only)</b></p>   |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>  | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock  | 73P2582   |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock   | 45K1620   |                                  |         |                                 |         |







|   |   |                                  |         |                                 |         |
|---|---|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>T24i Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Black</b><br/>                 Type-model <b>61A6MAR3US / 61A6MAT3EU</b><br/>                 Panel TFT-LCD, In-Plane Switching (IPS), White LED backlight<br/>                 Viewable image size <b>23.8" (604.7mm)</b> diagonal<br/>                 Max view area (W x H) <b>20.75" x 11.67"</b> (527.04mm x 296.5mm)<br/>                 Native resolution <b>1920x1080</b><br/>                 Aspect ratio 16:9<br/>                 Pixel pitch (mm) 0.2745 x 0.2745 mm<br/>                 Dot/Pixel per Inch 93 dpi<br/>                 Brightness 250 nits or cd/m<sup>2</sup> (typical)<br/>                 Contrast ratio 1000:1 (typical)<br/>                 Pixel response time 6ms (typical)<br/>                 Color gamut 72%<br/>                 Viewing angle at 10:1 CR <b>178° (+/- 89°) horizontal, 178° (+/- 89°) vertical</b><br/>                 Stand Tilt, swivel, pivot, and height adjustable stand<br/>                 Bezel width <b>Sides: 0.08" (2.0mm)</b><br/>                 Dimensions (HxWxD) <b>14.7" H x 21.26" W x 10.3" D;</b><br/> <b>373.4mm H x 540.2mm W x 261.75mm D</b><br/>                 Power supply 16.5 watts typical,<br/>                 55 watts maximum (with USB 3.0 hub),<br/>                 &lt;0.5 watts standby/suspend, universal,<br/>                 integrated (no external brick-like power supply)<br/>                 Weight 11.57 lb; 5.25 kg<br/>                 Limited warranty <b>3 year</b> (includes backlight)<br/>                 Available date April 2017</p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 23.8-inch monitor</li> <li>• Supports 1920x1080 resolution</li> <li>• Supports ThinkCentre Tiny Clamp Bracket</li> <li>• Supports optional soundbar</li> <li>• Includes dual input connection for attachment to two systems concurrently</li> <li>• EPEAT Gold certified</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>   |                                  |         |                                 |         |
| <p>VESA-compliant VESA DDC2B/CI<br/>                 Power management ENERGY STAR® qualified<br/>                 Ergonomics ISO 9241-307<br/>                 Emission standards FCC Class B<br/>                 Environmental TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, <b>EPEAT™ Gold rating</b></p>  | <div style="text-align: center;">  <p><b>ThinkVision T24i Wide Monitor</b></p> </div>  |                                  |         |                                 |         |
| <p>Preset resolutions<br/>                 VGA: 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1366x768<br/>                 WXGA+: 1440x900, 1680x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080<br/>                 Presets display modes HDMI: 17; DP: 17</p>   |   |                                  |         |                                 |         |
| <p>Viewing adjustments <i>Tilt: 30° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°; detachable stand</i><br/>                 Rotating screen Screen pivots 90 degrees from landscape to portrait<br/>                 On screen display On screen display with digital user controls (8 languages)<br/>                 Control features Direct access (buttons on front) for power, menu, input source select and brightness and automatic image setup<br/>                 USB hub USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0)<br/>                 Multiple input Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)<br/>                 Monitor connectors (1) VGA 15-pin D-shell, analog, blue<br/>                 (2) HDMI (1.4), digital, <b>HDCP-compliant</b><br/>                 (3) DisplayPort, digital, black, <b>HDCP-compliant</b><br/>                 Signal cables (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter<br/>                 (2) detachable, DisplayPort at each end, digital, 1.8 meter<br/>                 Mounting features Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount<br/>                 Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>  | <p>Ship group Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord</p>   |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>  | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock  | 73P2582   |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock   | 45K1620   |                                  |         |                                 |         |






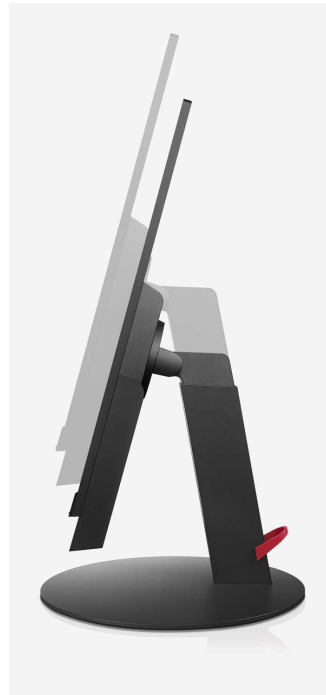
|  |   |                                  |         |                                 |         |
|--|---|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>T24m Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Black</b><br/>                 Type-model <b>61B8RAR3US / 61B8RAT3EU</b><br/>                 Panel TFT-LCD, In-Plane Switching (IPS), White LED backlight<br/>                 Viewable image size <b>23.8" (604.7mm)</b> diagonal<br/>                 Max view area (W x H) <b>20.75" x 11.67"</b> (527.04mm x 296.46mm)<br/>                 Native resolution <b>1920x1080</b><br/>                 Aspect ratio 16:9<br/>                 Pixel pitch (mm) 0.2745 x 0.2745 mm<br/>                 Dot/Pixel per Inch 92 dpi<br/>                 Brightness 250 nits or cd/m<sup>2</sup> (typical)<br/>                 Contrast ratio 1000:1 (typical)<br/>                 Pixel response time 6ms (typical)<br/>                 Color gamut 99% sRGB<br/>                 Viewing angle at 10:1 CR 170° (+/- 85°) horizontal, 178° (+/- 89°) vertical<br/>                 Stand Tilt, swivel, pivot, and height adjustable<br/>                 Bezel width <i>Sides:</i> 0.08" (2.0mm)<br/>                 Dimensions (HxWxD) 19.03" H x 21.26" W x 10.3" D;<br/>                 483.4mm H x 540.2mm W x 261.75mm D<br/>                 Power supply 17 watts typical,<br/>                 110 watts maximum (with USB 3.0 hub),<br/>                 &lt;0.5 watts standby/suspend, universal,<br/>                 integrated (no external brick-like power supply)<br/>                 Weight 12.34 lb; 5.6 kg<br/>                 Limited warranty <b>3 year</b> (includes backlight)<br/>                 Available date August 2017</p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 23.8-inch monitor</li> <li>• Supports 1920x1080 resolution</li> <li>• Supports ThinkCentre Tiny Clamp Bracket</li> <li>• Supports optional soundbar</li> <li>• EPEAT Gold certified</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>  |                                  |         |                                 |         |
| <p>VESA-compliant VESA DDC2B/CI<br/>                 Power management ENERGY STAR® qualified<br/>                 Ergonomics ISO 9241-307<br/>                 Emission standards FCC Class B<br/>                 Environmental TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, <b>EPEAT™ Gold rating</b></p>   | <div style="text-align: center;">  <p><b>ThinkVision T24m Wide Monitor</b></p> </div>  |                                  |         |                                 |         |
| <p>Preset resolutions<br/>                 VGA: 640x480<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1366x768<br/>                 WXGA+: 1440x900, 1600x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080, 1920x1200<br/>                 Presets display modes HDMI: 19; DP: 11</p>  |   |                                  |         |                                 |         |
| <p>Viewing adjustments <i>Tilt:</i> 30° back, -5° forward; <i>lift:</i> 4.3" (110mm); <i>swivel:</i> +/-45°; detachable stand<br/>                 Rotating screen Screen pivots 90 degrees from landscape to portrait<br/>                 On screen display On screen display with digital user controls (8 languages)<br/>                 Control features Direct access (buttons on front) for power, menu, input source select and brightness<br/>                 USB hub USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0)<br/>                 Multimedia Audio-out, optional sound bar supported<br/>                 Multiple input Support HDMI, DisplayPort, USB 3.1 Type-C<br/>                 Monitor connectors (1) HDMI (1.4), digital, <b>HDCP-compliant</b><br/>                 (2) DisplayPort (1.2), digital, <b>HDCP-compliant</b><br/>                 (3) USB 3.1 Type-C<br/>                 Signal cables (1) 1.8 meter USB Type-C to USB Type-C cable<br/>                 Mounting features Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount<br/>                 Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>   |   |                                  |         |                                 |         |
| <p>Ship group Monitor with stand, Safety and Warranty Information, 1.8 meter USB Type-C to USB Type-C cable, 1.8 meter black power cord</p>  |   |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>   | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock   | 73P2582   |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock  | 45K1620   |                                  |         |                                 |         |




|  |  |                                  |         |                                 |         |
|--|--|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>X24 Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Raven black</b><br/>                 Type-model <b>60FAGAR1US / 60FAGAT1EU</b><br/>                 Panel TFT-LCD, AH-IPS (In-Plane Switching), White LED backlight<br/>                 Viewable image size <b>23.8" (604.5mm)</b> diagonal<br/>                 Max view area (W x H) <b>20.75" x 11.67"</b> (527.0mm x 296.5mm)<br/>                 Native resolution <b>1920x1080</b><br/>                 Aspect ratio 16:9<br/>                 Pixel pitch (mm) 0.2745 x 0.2745 mm<br/>                 Dot/Pixel per Inch 92 dpi<br/>                 Brightness 250 nits or cd/m<sup>2</sup> (typical)<br/>                 Contrast ratio 1000:1 (typical)<br/>                 Pixel response time 7ms (typical)<br/>                 Color gamut 72%<br/>                 Viewing angle at 10:1 CR <b>178° (+/- 89°) horizontal, 178° (+/- 89°) vertical</b><br/>                 Stand Tilt stand<br/>                 Bezel width <i>Sides:</i> 0.08" (2.0mm)<br/>                 Dimensions (HxWxD) 16.25" H x 21.30" W x 8.66" D;<br/>                 412.8mm H x 540.9mm W x 220.0mm D<br/>                 Power supply 20 watts typical,<br/>                 27 watts maximum,<br/>                 &lt;0.5 watts standby/suspend, universal, external power supply<br/>                 Weight 8.60 lb; 3.90 kg<br/>                 Limited warranty <b>3 year</b> (includes backlight)<br/>                 Available date April 2015</p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 23.8-inch monitor</li> <li>• Supports 1920x1080 resolution</li> <li>• Includes dual input connection for attachment to two systems concurrently (analog and digital)</li> <li>• EPEAT Silver certified</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 8 / Windows 8.1 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>   |                                  |         |                                 |         |
| <p>Power management ENERGY STAR® qualified<br/>                 Ergonomics ISO 9241-307<br/>                 Emission standards FCC Class B<br/>                 Environmental TCO Displays 6.0, WEEE, RoHS, <b>EPEAT™ Silver rating</b></p>   | <div style="text-align: center;">  <p><b>ThinkVision X24 Wide Monitor</b></p> </div>   |                                  |         |                                 |         |
| <p>Preset resolutions<br/>                 VGA: 640x350, 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1366x768<br/>                 WXGA+: 1440x900, 1600x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080<br/>                 Presets / user settings Standard presets: 20;<br/>                 user settings: 16</p>   |  |                                  |         |                                 |         |
| <p>Viewing adjustments <i>Tilt:</i> 22° back, -5° forward<br/>                 Rotating screen None<br/>                 On screen display On screen display with digital user controls<br/>                 Control features Direct access (buttons on side bezel) for dual input and brightness<br/>                 USB hub None<br/>                 Multiple input Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)<br/>                 Monitor connectors (1) HDMI (1.4), digital, <b>HDCP-compliant</b><br/>                 (2) DisplayPort, digital, black, <b>HDCP-compliant</b><br/>                 Signal cables (1) detachable, HDMI at each end, digital, 1.8 meter<br/>                 (2) detachable, DisplayPort at each end, digital, 1.8 meter<br/>                 Mounting features None<br/>                 Security None</p>  |  |                                  |         |                                 |         |
| <p>Ship group Monitor with stand, Safety and Warranty Information, 1.8 meter HDMI signal cable (consumer channel only), 1.8 meter DisplayPort signal cable (commercial channel only), 1.8 meter black power cord</p>   | <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p> <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock   | 73P2582  |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock  | 45K1620  |                                  |         |                                 |         |



|   |  |                                  |         |                                 |         |
|---|--|----------------------------------|---------|---------------------------------|---------|
| <p>Name <b>X24 Pro Wide Flat Panel Monitor</b><br/>                 Bezel color <b>Black</b><br/>                 Type-model <b>60E4ECR1US / 60E4ECT1EU</b><br/>                 Panel TFT-LCD, AH-IPS (In-Plane Switching), White LED backlight<br/>                 Viewable image size <b>23.8" (604.5mm)</b> diagonal<br/>                 Max view area (W x H) <b>20.75" x 11.67"</b> (527.0mm x 296.5mm)<br/>                 Native resolution <b>1920x1080</b><br/>                 Aspect ratio 16:9<br/>                 Pixel pitch (mm) 0.2745 x 0.2745 mm<br/>                 Dot/Pixel per Inch 92 dpi<br/>                 Brightness 250 nits or cd/m<sup>2</sup> (typical)<br/>                 Contrast ratio 1000:1 (typical)<br/>                 Pixel response time 7ms (typical)<br/>                 Color gamut 72%<br/>                 Viewing angle at 10:1 CR <b>178° (+/- 89°) horizontal, 178° (+/- 89°) vertical</b><br/>                 Stand Tilt stand<br/>                 Bezel width <i>Sides:</i> 0.09" (2.3mm)<br/>                 Dimensions (HxWxD) 17.61" H x 21.30" W x 9.39" D;<br/>                 447.4mm H x 540.9mm W x 238.4mm D<br/>                 Power supply 20 watts typical,<br/>                 90 watts maximum,<br/>                 &lt;0.5 watts standby/suspend, universal, external power supply<br/>                 Weight 9.26 lb; 4.20 kg<br/>                 Limited warranty <b>1 year</b> (includes backlight)<br/>                 Available date July 2016</p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• Widescreen 23.8-inch monitor</li> <li>• Supports 1920x1080 resolution</li> <li>• Includes dual input connection for attachment to two systems concurrently</li> <li>• EPEAT Silver certified</li> <li>• Intel RealSense 3D camera</li> <li>• Stereo speakers 3 watts x 2</li> <li>• One cable docking through USB 3.1 Type C with power delivery</li> <li>• Windows Hello certified</li> <li>• Microsoft® Windows® 10 certified</li> </ul> |                                  |         |                                 |         |
| <p>Power management ENERGY STAR® qualified<br/>                 Ergonomics ISO 9241-307<br/>                 Emission standards FCC Class B<br/>                 Environmental TCO Displays 6.0, WEEE, RoHS, <b>EPEAT™ Silver rating</b></p> <p>Preset resolutions<br/>                 VGA: 640x350, 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1366x768<br/>                 WXGA+: 1440x900, 1600x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080</p> <p>Presets / user settings<br/>                 Standard presets: 16;<br/>                 user settings: 20</p>  | <div style="text-align: center;">  <p><b>ThinkVision X24 Pro Wide Monitor</b></p> </div>  |                                  |         |                                 |         |
| <p>Viewing adjustments <i>Tilt:</i> 22° back, -5° forward<br/>                 Rotating screen None<br/>                 On screen display On screen display with digital user controls<br/>                 Control features Direct access (buttons on side bezel) for dual input and brightness<br/>                 USB hub USB Hub: two USB 3.0 Type-C and one USB 3.0 ports<br/>                 Multimedia Integrated stereo speakers (3 watts x 2), built-in microphone<br/>                 Camera RealSense 3D camera SR300<br/>                 Multiple input Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)<br/>                 Monitor connectors (1) mDP, Mini DisplayPort, digital, <b>HDCP-compliant</b><br/>                 (2) USB Type-C, digital<br/>                 Signal cables (1) detachable, mDP to DP, digital, 2.0 meter<br/>                 (2) DP to mDP adaptor<br/>                 (3) USB 3.0 cable<br/>                 Mounting features None<br/>                 Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>  | <p>Ship group Monitor with stand, Safety and Warranty Information, 2.0 meter Mini DisplayPort to DisplayPort signal cable, ThinkPad 90W Square tip power adaptor</p>   |                                  |         |                                 |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>  | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p>                | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 |
| Kensington MicroSaver Cable Lock  | 73P2582  |                                  |         |                                 |         |
| Kensington Twin Head Cable Lock   | 45K1620  |                                  |         |                                 |         |







|  |  |                                  |         |                                 |         |                            |         |
|--|--|----------------------------------|---------|---------------------------------|---------|----------------------------|---------|
| <p>Name <b>P27 Wide Flat Panel Monitor</b><br/>                 Case color <b>Black</b><br/>                 Type-model <b>60E3GAR1US / 60E3GAT1EU</b><br/>                 Panel TFT-LCD, IPS (In-Plane Switching), White LED backlight<br/>                 Viewable image size <b>27" (684.7mm) diagonal</b><br/>                 Max view area (W x H) <b>23.49" x 13.21" (596.7mm x 335.7mm)</b><br/>                 Optimum resolution <b>3840x2160</b><br/>                 Max pixel rate <b>600MHz</b><br/>                 Aspect ratio <b>16:9</b><br/>                 Pixel pitch (mm) <b>0.16 x 0.16mm</b><br/>                 Dot/Pixel per Inch <b>163 dpi</b><br/>                 Brightness <b>300 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1300:1 (typical)</b><br/>                 Pixel response time <b>6ms</b><br/>                 Color gamut <b>99%</b><br/>                 Viewing angle at 10:1 CR <b>178° horizontal, 178° vertical</b><br/>                 Stand <b>Tilt, swivel, pivot, and height adjustable stand</b><br/>                 Bezel width <b>Sides: 0.088" (2.23mm)</b><br/>                 Dimensions (HxWxD, including stand) <b>18.59" H x 24.19" W x 11.81" D; 472.3mm H x 614.5mm W x 299.9mm D</b><br/>                 Power supply <b>40 watts typical, 70 watts maximum (with USB), &lt;0.5 watts sleep/off; &lt;0.5 watts switch off</b><br/>                 Weight <b>15.12 lb; 6.86kg (including stand)</b><br/>                 Limited warranty<sup>4</sup> <b>3 year</b><br/>                 Available date <b>March 2016</b></p> | <p><b>Features</b></p> <ul style="list-style-type: none"> <li>• 27-inch IPS LED backlight monitor with speaker</li> <li>• Supports 3840x2160 resolution</li> <li>• 5-Ports USB hub, support USB 3.0</li> <li>• 3watts x 2 stereo speakers</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>  |                                  |         |                                 |         |                            |         |
| <p>VESA-compliant<sup>2</sup> <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® 7.0</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 7.0, RoHS, EPEAT™ Gold rating, ULE Gold</b></p>   |  <p><b>ThinkVision P27 Monitor</b></p>  |                                  |         |                                 |         |                            |         |
| <p>Preset resolutions<br/>                 VGA: 640x350, 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768, 1152x864<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1280x720, 1280x768, 1280x800, 1360x768<br/>                 WXGA+: 1440x900, 1600x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080, 1920x1200<br/>                 UHD: 3840x2160</p> <p>Presets / user settings Standard presets: 20; user settings: 20</p>   |  |                                  |         |                                 |         |                            |         |
| <p>Viewing adjustments <i>Tilt: 30° back, -5° forward; lift: 3.15" (80mm); swivel: +/-45°</i><br/>                 Rotating screen <b>Screen pivots 90 degrees from landscape to portrait</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (touch buttons on front) for menu, mute, volume up/down, and brightness</b><br/>                 USB hub <b>USB Hub: one USB 3.0 upstream port, four USB 3.0 downstream ports</b><br/>                 Multimedia <b>Integrated stereo speakers (3 watts x 2)</b><br/>                 Camera <b>None</b><br/>                 Multiple input <b>Support HDMI, DisplayPort</b><br/>                 Monitor connectors <b>(1) HDMI (2.0), digital, HDCP-compliant</b><br/> <b>(2) DisplayPort (1.2), digital, HDCP-compliant</b><br/>                 Signal cables <b>(1) detachable, DisplayPort at each end, digital, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>   |  |                                  |         |                                 |         |                            |         |
| <p>Ship group <b>Monitor, detachable stand, Quick start and safety poster, 1.8 meter DisplayPort cable, 1.8 meter USB 3.0 cable, 1.8 meter black power cord, mini DP to DP adapter, power adapter (90W)</b></p>  | <p><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p> <p><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>Lenovo Security Cable Lock</td> <td>57Y4303</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 | Lenovo Security Cable Lock | 57Y4303 |
| Kensington MicroSaver Cable Lock   | 73P2582  |                                  |         |                                 |         |                            |         |
| Kensington Twin Head Cable Lock  | 45K1620  |                                  |         |                                 |         |                            |         |
| Lenovo Security Cable Lock   | 57Y4303  |                                  |         |                                 |         |                            |         |






|   |  |                                  |         |                                 |         |                            |         |
|---|--|----------------------------------|---------|---------------------------------|---------|----------------------------|---------|
| <p>Name <b>P27h Wide Flat Panel Monitor</b><br/>                 Case color <b>Black</b><br/>                 Type-model <b>61AFGAR1US / 61AFGAT1EU</b><br/>                 Panel TFT-LCD, IPS (In-Plane Switching), White LED backlight<br/>                 Viewable image size <b>27" (685.8mm)</b> diagonal<br/>                 Max view area (W x H) <b>23.49" x 13.21" (596.7mm x 335.7mm)</b><br/>                 Optimum resolution <b>2560x1440</b><br/>                 Max pixel rate <b>300MHz</b><br/>                 Aspect ratio <b>16:9</b><br/>                 Pixel pitch (mm) <b>0.2331 x 0.2331mm</b><br/>                 Dot/Pixel per Inch <b>109 dpi</b><br/>                 Brightness <b>350 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Pixel response time <b>4ms (extreme) / 6ms (typical)</b><br/>                 Color gamut <b>99% sRGB</b><br/>                 Viewing angle at 10:1 CR <b>178° horizontal, 178° vertical</b><br/>                 Stand <b>Tilt, swivel, pivot, and height adjustable stand</b><br/>                 Bezel width <b>Sides: 0.08" (2mm)</b><br/>                 Dimensions <b>20.21" H x 24.08" W x 10.62" D;</b><br/>                 (HxWxD, including stand) <b>513mm H x 611.6mm W x 269.8mm D</b><br/>                 Power supply <b>38 watts typical, 140 watts maximum (with USB), &lt;0.5 watts sleep/off; &lt;0.5 watts switch off integrated (no external brick-like power supply)</b><br/>                 Weight <b>15.43 lb; 7.0kg (including stand)</b><br/>                 Limited warranty <b>3 year</b><br/>                 Available date <b>April 2017</b></p> | <p style="text-align: center;"><b>Features</b></p> <ul style="list-style-type: none"> <li>• 27-inch IPS LED backlit monitor</li> <li>• Supports 2560x1440 resolution</li> <li>• 5-Ports USB hub, support USB 3.0</li> <li>• Supports optional soundbar</li> <li>• Support ThinkCentre Tiny</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>   |                                  |         |                                 |         |                            |         |
| <p>VESA-compliant <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® 7.0</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 7.0, RoHS, EPEAT™ Gold rating, ULE Gold</b></p>  | <div style="text-align: center;">  <p><b>ThinkVision P27h Monitor</b></p> </div>  |                                  |         |                                 |         |                            |         |
| <p>Preset resolutions<br/>                 VGA: 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1366x768<br/>                 WXGA+: 1440x900, 1680x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080, 1920x1200<br/>                 QHD: 2560x1440</p>  |  |                                  |         |                                 |         |                            |         |
| <p>Presets display modes <b>HDMI: 22; DP: 14</b></p>  |  |                                  |         |                                 |         |                            |         |
| <p>Viewing adjustments <b>Tilt: 30° back, -5° forward; lift: 4.33" (110mm); swivel: +/-45°</b><br/>                 Rotating screen <b>Screen pivots 90 degrees from landscape to portrait</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (buttons on front) for power, menu, input source select and brightness</b><br/>                 USB hub <b>USB Hub: one USB Type-C upstream port, four USB 3.0 downstream ports</b><br/>                 Multimedia <b>Audio-out, optional sound bar supported</b><br/>                 Camera <b>None</b><br/>                 Multiple input <b>Support HDMI, DisplayPort, USB 3.1 Type-C, DisplayPort-out</b><br/>                 Monitor connectors <b>(1) 2*HDMI (1.4), digital, HDCP-compliant<br/>                 (2) DisplayPort (1.2), digital, HDCP-compliant<br/>                 (3) DisplayPort-out, digital<br/>                 (4) USB 3.1 Type-C</b><br/>                 Signal cables <b>(1) USB 3.1 Type-C cable, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>  |  |                                  |         |                                 |         |                            |         |
| <p>Ship group <b>Monitor, detachable stand, Quick start and safety poster, 1.8 meter USB 3.1 Type-C cable, 1.8 meter black power cord</b></p>   |  |                                  |         |                                 |         |                            |         |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>  | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> <tr> <td>Lenovo Security Cable Lock</td> <td style="text-align: right;">57Y4303</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 | Lenovo Security Cable Lock | 57Y4303 |
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|   |  |                                  |         |                                 |         |                            |         |
|---|--|----------------------------------|---------|---------------------------------|---------|----------------------------|---------|
| <p>Name <b>P27q Wide Flat Panel Monitor</b><br/>                 Case color <b>Black</b><br/>                 Type-model <b>61A8GAR1US / 61A8GAT1EU</b><br/>                 Panel TFT-LCD, IPS (In-Plane Switching), White LED backlight<br/>                 Viewable image size <b>27" (685.8mm)</b> diagonal<br/>                 Max view area (W x H) <b>23.49" x 13.21"</b> (596.7mm x 335.7mm)<br/>                 Optimum resolution <b>2560x1440</b><br/>                 Max pixel rate 300MHz<br/>                 Aspect ratio 16:9<br/>                 Pixel pitch (mm) 0.2331 x 0.2331mm<br/>                 Dot/Pixel per Inch 109 dpi<br/>                 Brightness 350 nits or cd/m<sup>2</sup> (typical)<br/>                 Contrast ratio 1000:1 (typical)<br/>                 Pixel response time 4ms<br/>                 Color gamut 99% sRGB<br/>                 Viewing angle at 10:1 CR 178° horizontal, 178° vertical<br/>                 Stand Tilt, swivel, pivot, and height adjustable stand<br/>                 Bezel width <i>Sides:</i> 0.08" (2mm)<br/>                 Dimensions 20.21" H x 24.17" W x 10.62" D;<br/>                 (HxWxD, including stand) 513mm H x 614mm W x 269.8mm D<br/>                 Power supply 38 watts typical,<br/>                 75 watts maximum (with USB),<br/>                 &lt;0.5 watts sleep/off;<br/>                 &lt;0.3 watts switch off<br/>                 integrated (no external brick-like power supply)<br/>                 Weight 15.43 lb; 7.0kg (including stand)<br/>                 Limited warranty <b>3 year</b><br/>                 Available date January 2017</p> | <p><b>Features</b></p> <ul style="list-style-type: none"> <li>• 27-inch IPS LED backlight monitor</li> <li>• Supports 2560x1440 resolution</li> <li>• 5-Ports USB hub, support USB 3.0</li> <li>• Support ThinkCentre Tiny</li> <li>• Supports optional soundbar</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>   |                                  |         |                                 |         |                            |         |
| <p>VESA-compliant VESA DDC2B/CI<br/>                 Power management ENERGY STAR® 7.0<br/>                 Ergonomics ISO 9241-307<br/>                 Emission standards FCC Class B<br/>                 Environmental TCO Displays 7.0, RoHS, <b>EPEAT™ Gold rating</b>, ULE Gold</p>  |  <p><b>ThinkVision P27q Monitor</b></p>  |                                  |         |                                 |         |                            |         |
| <p>Preset resolutions<br/>                 VGA: 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1366x768<br/>                 WXGA+: 1440x900, 1600x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080, 1920x1200<br/>                 QHD: 2560x1440</p> <p>Presets / user settings Standard presets: 20; user settings: 24</p>   |  |                                  |         |                                 |         |                            |         |
| <p>Viewing adjustments <i>Tilt:</i> 30° back, -5° forward; <i>lift:</i> 4.33" (110mm); <i>swivel:</i> +/-45°<br/>                 Rotating screen <b>Screen pivots 90 degrees from landscape to portrait</b><br/>                 On screen display On screen display with digital user controls (8 languages)<br/>                 Control features Direct access for menu, source switch, and brightness<br/>                 USB hub USB Hub: one USB 3.0 upstream port, four USB 3.0 downstream ports<br/>                 Multimedia Audio-out, optional sound bar supported<br/>                 Camera None<br/>                 Multiple input Support HDMI, DisplayPort, mini DisplayPort, DisplayPort-out<br/>                 Monitor connectors (1) 2*HDMI (1.4), digital, <b>HDCP-compliant</b><br/>                 (2) DisplayPort (1.2), digital, <b>HDCP-compliant</b><br/>                 (3) Mini DisplayPort, digital, <b>HDCP-compliant</b><br/>                 Signal cables (1) detachable, mini DisplayPort to DisplayPort, digital, 1.8 meter<br/>                 Mounting features Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)<br/>                 Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>  |  |                                  |         |                                 |         |                            |         |
| <p>Ship group Monitor, detachable stand, Quick start and safety poster, 1.8 meter USB 3.0 cable, 1.8 meter mini DP to DP cable, 1.8 meter black power cord</p>  | <p><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p> <p><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>Lenovo Security Cable Lock</td> <td>57Y4303</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 | Lenovo Security Cable Lock | 57Y4303 |
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|   |  |                                  |         |                                 |         |                            |         |
|---|--|----------------------------------|---------|---------------------------------|---------|----------------------------|---------|
| <p>Name <b>P27u Wide Flat Panel Monitor</b><br/>                 Case color <b>Black</b><br/>                 Type-model <b>61B0GAR1US / 61B0GAT1EU</b><br/>                 Panel TFT-LCD, IPS (In-Plane Switching), White LED backlight<br/>                 Viewable image size <b>27" (684.7mm) diagonal</b><br/>                 Max view area (W x H) <b>23.49" x 13.21" (596.74mm x 335.66mm)</b><br/>                 Optimum resolution <b>3840x2160</b><br/>                 Max pixel rate <b>600MHz</b><br/>                 Aspect ratio <b>16:9</b><br/>                 Pixel pitch (mm) <b>0.1554 x 0.1554mm</b><br/>                 Dot/Pixel per Inch <b>163 dpi</b><br/>                 Brightness <b>350 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1000:1 (typical)</b><br/>                 Pixel response time <b>6ms (typical)</b><br/>                 Color gamut <b>1.457 sRGB</b><br/>                 Viewing angle at 10:1 CR <b>178° horizontal, 178° vertical</b><br/>                 Stand <b>Tilt, swivel, pivot, and height adjustable stand</b><br/>                 Bezel width <b>Sides: 0.08" (2mm)</b><br/>                 Dimensions (HxWxD, including stand) <b>513.3mm H x 611.6mm W x 269.8mm D</b><br/>                 Power supply <b>50 watts typical, 160 watts maximum (with USB), &lt;0.5 watts sleep/off; &lt;0.3 watts switch off integrated (no external brick-like power supply)</b><br/>                 Weight <b>15.32 lb; 6.95kg (including stand)</b><br/>                 Limited warranty <b>3 year</b><br/>                 Available date <b>August 2017</b></p> | <p><b>Features</b></p> <ul style="list-style-type: none"> <li>• 27-inch IPS LED backlight monitor</li> <li>• Supports 3840x2160 resolution</li> <li>• 5-Ports USB hub, support USB 3.0</li> <li>• Support ThinkCentre Tiny</li> <li>• Supports optional soundbar</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>   |                                  |         |                                 |         |                            |         |
| <p>VESA-compliant <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® 7.0</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating, ULE Gold</b></p>  |  <p><b>ThinkVision P27u Monitor</b></p>   |                                  |         |                                 |         |                            |         |
| <p>Preset resolutions <b>VGA: 640x480, 720x400, 720x480, 720x576</b><br/> <b>SVGA: 800x600</b><br/> <b>XGA: 1024x768</b><br/> <b>SXGA: 1280x720, 1280x800, 1280x1024</b><br/> <b>WXGA+: 1440x900, 1600x900</b><br/> <b>WSXGA+: 1680x1050</b><br/> <b>Full HD: 1920x1080, 1920x1200</b><br/> <b>QHD: 2560x1440</b><br/> <b>UHD: 3840x2160</b></p> <p>Presets / user settings <b>Standard presets: 27; user settings: 20</b></p>  |  |                                  |         |                                 |         |                            |         |
| <p>Viewing adjustments <b>Tilt: 30° back, -5° forward; lift: 4.33" (110mm); swivel: +/-45°</b><br/>                 Rotating screen <b>Screen pivots 90 degrees from landscape to portrait</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (buttons on front) for power, menu, input source select and brightness</b><br/>                 USB hub <b>USB Hub: one USB 3.0 upstream port, four USB 3.0 downstream ports</b><br/>                 Multimedia <b>Audio-out, optional sound bar supported</b><br/>                 Camera <b>None</b><br/>                 Multiple input <b>Support HDMI, DisplayPort, USB 3.1 Type-C</b><br/>                 Monitor connectors <b>(1) 2*HDMI (2.0), digital, HDCP-compliant</b><br/> <b>(2) DisplayPort (1.2), digital, HDCP-compliant</b><br/> <b>(3) USB 3.1 Type-C</b><br/>                 Signal cables <b>(1) detachable, DisplayPort to DisplayPort, digital, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>   |  |                                  |         |                                 |         |                            |         |
| <p>Ship group <b>Monitor, detachable stand, Quick start and safety poster, 1.8 meter USB Type-C to USB Type-C cable, 1.8 meter DP to DP cable, 1.8 meter HDMI to HDMI cable (NA only), 1.8 meter black power cord, 1.8 meter USB Type-C to USB Type-A cable</b></p>   | <p><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p> <p><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>Lenovo Security Cable Lock</td> <td>57Y4303</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 | Lenovo Security Cable Lock | 57Y4303 |
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|  |  |                                  |         |                                 |         |                            |         |           |       |                              |        |                    |         |           |          |           |         |          |   |
|--|--|----------------------------------|---------|---------------------------------|---------|----------------------------|---------|-----------|-------|------------------------------|--------|--------------------|---------|-----------|----------|-----------|---------|----------|---|
| <p>Name <b>Pro2820 Wide Flat Panel Monitor</b><br/>                 Case color <b>Black</b><br/>                 Type-model <b>60FCRAR6US / 60FCRAT6EU</b><br/>                 Panel TFT-LCD, with wide viewing angle (WVA) technology, White LED backlight<br/>                 Viewable image size <b>28" (711mm) diagonal</b><br/>                 Max view area (W x H) <b>24.44" x 13.44" (620.9mm x 341.3mm)</b><br/>                 Optimum resolution <b>1920x1080</b><br/>                 Max pixel rate <b>205MHz (VGA); 165MHz(DP/ HDMI); 149MHz (MHL)</b><br/>                 Frequency <b>Supports 1920 x 10800 @ 60Hz</b><br/>                 Aspect ratio <b>16:9</b><br/>                 Pixel pitch (mm) <b>0.32 x 0.32mm</b><br/>                 Dot/Pixel per Inch <b>79 dpi</b><br/>                 Brightness <b>300 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>3000:1 (typical)</b><br/>                 Pixel response time <b>6.5ms</b><br/>                 Color gamut <b>72%</b><br/>                 Viewing angle at 10:1 CR <b>178° horizontal, 178° vertical</b><br/>                 Stand <b>Tilt, swivel, and height adjustable stand</b><br/>                 Bezel width <b>Sides: 0.86" (21.85mm)</b><br/>                 Dimensions (HxWxD, excluding stand) <b>17.45" H x 26.21" W x 2.30" D;</b><br/>                 Dimensions (HxWxD, including stand) <b>443.3mm H x 665.9mm W x 58.2mm D</b><br/>                 Power supply <b>60 watts typical, 90 watts typical (with USB), 65 watts maximum, 95 watts maximum (with USB), &lt;1.2 watts sleep/off; &lt;0.5 watts switch off integrated (no external brick-like power supply)</b><br/>                 Weight <b>17.84 lb; 8.11kg (including stand)</b><br/>                 Limited warranty<sup>4</sup> <b>3 year (includes backlight)</b><br/>                 Available date <b>September 2014</b></p> | <p><b>Features</b></p> <ul style="list-style-type: none"> <li>• 28-inch MVA (Multi-domain Vertical Alignment) panel LED backlit monitor</li> <li>• Supports 1920x1080 resolution</li> <li>• 5-Ports USB hub, support USB 3.0</li> <li>• Arsenic/Mercury free</li> <li>• Microsoft® Windows® 7</li> <li>• Windows 8/ Windows 8.1 certified</li> </ul>   |                                  |         |                                 |         |                            |         |           |       |                              |        |                    |         |           |          |           |         |          |   |
| <p>VESA-compliant<sup>2</sup> <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® 6.0</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 6.0, TCO Certified Edge 1.2, RoHS, EPEAT™ Gold rating, ULE Gold</b></p> <p>Preset resolutions</p> <table border="0"> <tr><td>VGA:</td><td>640x480, 720x400</td></tr> <tr><td>SVGA:</td><td>800x600</td></tr> <tr><td>XGA:</td><td>1024x768, 1024x760</td></tr> <tr><td>SXGA:</td><td>1280x1024</td></tr> <tr><td>WXGA:</td><td>1280x720, 1280x800, 1366x768</td></tr> <tr><td>WXGA+:</td><td>1440x900, 1600x900</td></tr> <tr><td>WSXGA+:</td><td>1680x1050</td></tr> <tr><td>Full HD:</td><td>1920x1080</td></tr> <tr><td>Others:</td><td>1152x864</td></tr> </table> <p>Presets / user settings    Standard presets: 17;    user settings: 17</p>   | VGA:   | 640x480, 720x400                 | SVGA:   | 800x600                         | XGA:    | 1024x768, 1024x760         | SXGA:   | 1280x1024 | WXGA: | 1280x720, 1280x800, 1366x768 | WXGA+: | 1440x900, 1600x900 | WSXGA+: | 1680x1050 | Full HD: | 1920x1080 | Others: | 1152x864 |  <p style="text-align: center;"><b>ThinkVision Pro2820 Monitor</b></p> |
| VGA:   | 640x480, 720x400   |                                  |         |                                 |         |                            |         |           |       |                              |        |                    |         |           |          |           |         |          |   |
| SVGA:  | 800x600  |                                  |         |                                 |         |                            |         |           |       |                              |        |                    |         |           |          |           |         |          |   |
| XGA:   | 1024x768, 1024x760   |                                  |         |                                 |         |                            |         |           |       |                              |        |                    |         |           |          |           |         |          |   |
| SXGA:  | 1280x1024  |                                  |         |                                 |         |                            |         |           |       |                              |        |                    |         |           |          |           |         |          |   |
| WXGA:  | 1280x720, 1280x800, 1366x768   |                                  |         |                                 |         |                            |         |           |       |                              |        |                    |         |           |          |           |         |          |   |
| WXGA+:   | 1440x900, 1600x900   |                                  |         |                                 |         |                            |         |           |       |                              |        |                    |         |           |          |           |         |          |   |
| WSXGA+:  | 1680x1050  |                                  |         |                                 |         |                            |         |           |       |                              |        |                    |         |           |          |           |         |          |   |
| Full HD:   | 1920x1080  |                                  |         |                                 |         |                            |         |           |       |                              |        |                    |         |           |          |           |         |          |   |
| Others:  | 1152x864   |                                  |         |                                 |         |                            |         |           |       |                              |        |                    |         |           |          |           |         |          |   |
| <p>Viewing adjustments <b>Tilt: 25° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°</b><br/>                 Rotating screen <b>Screen pivots 90 degrees from landscape to portrait</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (touch buttons on front) for automatic image setup, input switch, and brightness</b><br/>                 USB hub <b>USB Hub: one USB 3.0 upstream port, four USB 3.0 downstream ports</b><br/>                 Multimedia <b>None</b><br/>                 Camera <b>None</b><br/>                 Multiple input <b>Support VGA, HDMI, DisplayPort, MHL connections (Mobile High-definition Link)</b><br/>                 Monitor connectors <b>(1) VGA 15-pin D-shell, analog<br/>(2) HDMI (1.4), digital, <b>HDCP-compliant</b><br/>(3) DisplayPort (1.2), digital, <b>HDCP-compliant</b></b></p> <p>Signal cables <b>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter<br/>(2) detachable, DisplayPort at each end, digital, 1.8 meter</b></p> <p>Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>   |  |                                  |         |                                 |         |                            |         |           |       |                              |        |                    |         |           |          |           |         |          |   |
| <p>Ship group    Monitor, detachable stand, Quick start and safety poster, 1.8 meter DisplayPort cable, 1.8 meter VGA cable, 1.8 meter USB 3.0 cable, 1.8 meter black power cord</p>   |  |                                  |         |                                 |         |                            |         |           |       |                              |        |                    |         |           |          |           |         |          |   |
| <p style="text-align: center;"><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p>   | <p style="text-align: center;"><b>Accessories</b></p> <table border="0"> <tr><td>Kensington MicroSaver Cable Lock</td><td>73P2582</td></tr> <tr><td>Kensington Twin Head Cable Lock</td><td>45K1620</td></tr> <tr><td>Lenovo Security Cable Lock</td><td>57Y4303</td></tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 | Lenovo Security Cable Lock | 57Y4303 |           |       |                              |        |                    |         |           |          |           |         |          |   |
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| Kensington Twin Head Cable Lock  | 45K1620  |                                  |         |                                 |         |                            |         |           |       |                              |        |                    |         |           |          |           |         |          |   |
| Lenovo Security Cable Lock   | 57Y4303  |                                  |         |                                 |         |                            |         |           |       |                              |        |                    |         |           |          |           |         |          |   |





|  |  |                                  |         |                                 |         |                            |         |
|--|--|----------------------------------|---------|---------------------------------|---------|----------------------------|---------|
| <p>Name <b>X1 Wide Flat Panel Monitor</b><br/>                 Case color <b>Black</b><br/>                 Type-model <b>60E2GAR1US / 60E2GAT1EU</b><br/>                 Panel TFT-LCD, IPS (In-Plane Switching), White LED backlight<br/>                 Viewable image size <b>27" (684.7mm)</b> diagonal<br/>                 Max view area (W x H) <b>23.49" x 13.21"</b> (596.7mm x 335.7mm)<br/>                 Optimum resolution <b>3840x2160</b><br/>                 Max pixel rate <b>600MHz</b><br/>                 Aspect ratio <b>16:9</b><br/>                 Pixel pitch (mm) <b>0.16 x 0.16mm</b><br/>                 Dot/Pixel per Inch <b>163 dpi</b><br/>                 Brightness <b>300 nits or cd/m<sup>2</sup> (typical)</b><br/>                 Contrast ratio <b>1300:1 (typical)</b><br/>                 Pixel response time <b>6ms</b><br/>                 Color gamut <b>99%</b><br/>                 Viewing angle at 10:1 CR <b>178° horizontal, 178° vertical</b><br/>                 Stand <b>Tilt stand</b><br/>                 Bezel width <b>Sides: 0.088" (2.23mm)</b><br/>                 Dimensions (HxWxD, including stand) <b>19.35" H x 24.19" W x 10.63" D; 491.4mm H x 614.5mm W x 270.0mm D</b><br/>                 Power supply <b>40 watts typical, 130 watts maximum (with USB), &lt;0.5 watts sleep/off; &lt;0.5 watts switch off</b><br/>                 Weight <b>14.11 lb; 6.40kg (including stand)</b><br/>                 Limited warranty<sup>4</sup> <b>3 year</b><br/>                 Available date <b>March 2016</b></p> | <p><b>Features</b></p> <ul style="list-style-type: none"> <li>• 27-inch IPS LED backlight monitor with speaker</li> <li>• Supports 3840x2160 resolution</li> <li>• 5-Ports USB hub, support USB Type-C</li> <li>• 3watts x 2 stereo speakers</li> <li>• Microsoft® Windows® 7 certified</li> <li>• Microsoft Windows 10 certified</li> </ul>   |                                  |         |                                 |         |                            |         |
| <p>VESA-compliant<sup>2</sup> <b>VESA DDC2B/CI</b><br/>                 Power management <b>ENERGY STAR® 7.0</b><br/>                 Ergonomics <b>ISO 9241-307</b><br/>                 Emission standards <b>FCC Class B</b><br/>                 Environmental <b>TCO Displays 7.0, RoHS, EPEAT™ Silver rating, ULE Gold</b></p>   | <div style="text-align: center;">  <p><b>ThinkVision X1 Monitor</b></p> </div>   |                                  |         |                                 |         |                            |         |
| <p>Preset resolutions<br/>                 VGA: 640x350, 640x480, 720x400<br/>                 SVGA: 800x600<br/>                 XGA: 1024x768, 1152x864<br/>                 SXGA: 1280x1024<br/>                 WXGA: 1280x720, 1280x768, 1280x800, 1360x768<br/>                 WXGA+: 1440x900, 1600x900<br/>                 WSXGA+: 1680x1050<br/>                 Full HD: 1920x1080, 1920x1200<br/>                 UHD: 3840x2160</p> <p>Presets / user settings Standard presets: 20; user settings: 20</p>   |  |                                  |         |                                 |         |                            |         |
| <p>Viewing adjustments <i>Tilt: 22° back, -5° forward;</i><br/>                 Rotating screen <b>None</b><br/>                 On screen display <b>On screen display with digital user controls (8 languages)</b><br/>                 Control features <b>Direct access (touch buttons on front) for menu, mute, volume up/down, and brightness</b><br/>                 USB hub <b>USB Hub: one USB 3.0 Type-C upstream port, four USB 3.0 downstream ports</b><br/>                 Multimedia <b>Integrated stereo speakers (3 watts x 2), built-in microphone</b><br/>                 Camera <b>Full HD camera with LED light</b><br/>                 Multiple input <b>Support HDMI, DisplayPort</b><br/>                 Monitor connectors <b>(1) HDMI (1.4), digital, <b>HDCP-compliant</b></b><br/> <b>(2) DisplayPort (1.2), digital, <b>HDCP-compliant</b></b><br/>                 Signal cables <b>(1) detachable, HDMI at each end, digital, 1.8 meter</b><br/> <b>(2) detachable, DisplayPort at each end, digital, 1.8 meter</b><br/>                 Mounting features <b>Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)</b><br/>                 Security <b>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</b></p>   |  |                                  |         |                                 |         |                            |         |
| <p>Ship group <b>Monitor, detachable stand, Quick start and safety poster, 1.8 meter DisplayPort cable, 1.8 meter HDMI cable, 1.8 meter USB Type-C cable, 1.8 meter USB Type-C to Type-A cable, 1.8 meter black power cord, mini DP to DP adapter, power adapter (135W)</b></p>  | <p><b>Limited Warranty</b></p> <p>See details at <a href="http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281">http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281</a></p> <p><b>Accessories</b></p> <table border="0"> <tr> <td>Kensington MicroSaver Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>Lenovo Security Cable Lock</td> <td>57Y4303</td> </tr> </table> <p>See details at <a href="http://www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></p> <p>See all monitors at <a href="http://www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></p> | Kensington MicroSaver Cable Lock | 73P2582 | Kensington Twin Head Cable Lock | 45K1620 | Lenovo Security Cable Lock | 57Y4303 |
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