ThinkCentre®

# *Personal Systems Reference*
# *Lenovo® ThinkCentre Desktops*

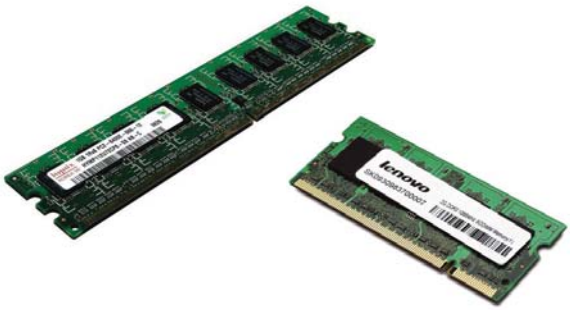
*March 2010 - Version 373*

Lenovo ThinkCentre M90/M90p
(Eco Ultra Small, Small, Tower Form Factors)

*Visit **www.lenovo.com/psref** for the latest version*

ThinkCentre®

Kensington® MicroSaver® Cable Lock
73P2582
Kensington Twin Head Cable Lock
45K1620



1GB PC2-6400 NP DDR2 UDIMM 41U2977
2GB PC2-6400 NP DDR2 UDIMM 41U2978
1GB PC3-8500 DDR3 UDIMM 45J5434
2GB PC3-8500 DDR3 UDIMM 45J5435
1GB PC3-8500 DDR3 SODIMM (notebook) 43R1987
2GB PC3-8500 DDR3 SODIMM (notebook) 43R1988
(UDIMM for SFF, Tower only; SODIMM for Eco USFF only)

ATI™ Radeon™ HD 3470 256MB (DP, VGA)
45K1636

Lenovo® USB-to-DVI Monitor Adapter
45K5296

Ultraslim Wireless Keyboard and Mouse
57Y4700

Lenovo Laser Mouse (USB)
41U3074

ThinkCentre®

Lenovo ThinkCentre M58e Small and
Lenovo ThinkCentre M58e Tower

Lenovo ThinkCentre M58e Small
with dual Lenovo ThinkVision monitors

Lenovo ThinkCentre M58e Small

Lenovo ThinkCentre M58e Small
with Lenovo ThinkVision monitor

Lenovo ThinkCentre M58e Tower

Lenovo ThinkCentre M58e Tower
with  Lenovo ThinkVision monitor

# ThinkCentre® M58e Small (7259) - TopSeller (XP with Win 7 License)

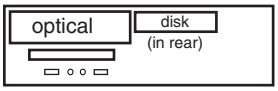


| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7259-B1U | 2x3 | Pentium E6300 | 2.80 | 2MB | 2 | 1GB | 250GB[2] | DVD | GMA | XP Pro | None | Nov 09 |
| **M58e** | 7259-B2U | 2x3 | Pentium E6300 | 2.80 | 2MB | 2 | 2GB | 250GB | DVD±RW | GMA | XP Pro | None | Nov 09 |
| **M58e** | 7259-B3U | 2x3 | Pentium E6300 | 2.80 | 2MB | 2 | *3GB* | 500GB | DVD±RW | GMA | XP Pro | None | Nov 09 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 1-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E6300** with **dual-core**, 1066MHz system bus, and 2MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB**, **2GB**, or **3GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets;<br>*Italics:* standard memory in both sockets; no sockets avail;<br>*Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 512MB *[1GB models]*, 1GB *[2GB or 3GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **250GB** or **500GB,** SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **1-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **1-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9189)
  - **2-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9187)
  - **2-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9190)
  - **3-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9188)
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9191)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced November 3, 2009

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# ThinkCentre® M58e Small (7259) - TopSeller (Windows 7)

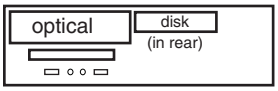


| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7259-D3U | 2x3 | Celeron E3200 | 2.40 | 1MB | 2 | 1GB | 250GB[2] | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| **M58e** | 7259-D2U | 2x3 | Pentium E5400 | 2.70 | 2MB | 2 | 2GB | 250GB | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| **M58e** | 7259-D1U | 2x3 | Pentium E5400 | 2.70 | 2MB | 2 | *3GB* | 320GB | DVD±RW | GMA | Pro 32 | None | Jan 10 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 1-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Celeron® Processor E3200** with **dual-core**, 800MHz system bus, and 1MB L2 cache or **Intel Pentium® Processor E5400** with **dual-core**, 800MHz system bus, and 2MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB**, **2GB**, or **3GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Italics:* standard memory in both sockets; no sockets avail; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 253MB *[1GB models]*, 765MB *[2GB models]*, or 1277MB *[3GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **250GB** or **320GB,** SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **1-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **1-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9189)
  - **2-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9187)
  - **2-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9190)
  - **3-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9188)
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9191)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced December 15, 2009

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# ThinkCentre® M58e Small (7269) - TopSeller (XP with Win 7 License)

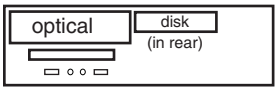


| | Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Chassis intr switch | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **M58e** | 7269-E5U | 2x3 | Pentium E5400 | 2.70 | 2MB | 2 | 1GB | 250GB[2] | DVD | GMA | | XP Pro | None | Jan 10 |
| ✂ | **M58e** | 7269-D5U | 2x3 | Pentium E6300 | 2.80 | 2MB | 2 | 1GB | 250GB | DVD | GMA | Switch | XP Pro | None | Nov 09 |
| ✂ | **M58e** | 7269-D6U | 2x3 | Pentium E6300 | 2.80 | 2MB | 2 | 2GB | 250GB | DVD±RW | GMA | Switch | XP Pro | None | Nov 09 |
| | **M58e** | 7269-D7U | 2x3 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | *3GB* | 320GB | DVD±RW | GMA | | XP Pro | None | Nov 09 |
| | **M58e** | 7269-D8U | 2x3 | Core 2 Quad Q9400 | 2.66 | 6MB | 4 | *3GB* | 500GB | DVD±RW | GMA | | XP Pro | None | Nov 09 |
| ☞ | **M58e** | 7269-F1U | 2x3 | Core 2 Quad Q9500 | 2.83 | 6MB | 4 | *3GB* | 500GB | DVD±RW | GMA | | XP Pro | None | Mar 10 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E5400** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Pentium Processor E6300** with **dual-core**, 1066MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q9400** or **Q9500** with **quad-core**, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB**, **2GB**, or **3GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets;<br>*Italics:* standard memory in both sockets; no sockets avail;<br>*Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 512MB *[1GB models]*, 1GB *[2GB or 3GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

| | |
|---|---|
| SATA disk | **250GB**, **320GB**, or **500GB,** SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing |

### Security

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement
- *Some:* Chassis intrusion switch

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

See footnotes for important warranty information

☞ US model announced March 2, 2010; previous models on November 3 or December 15, 2009

✂ US models withdrawn effective January 2010

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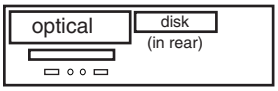
# ThinkCentre® M58e Small (7269) - TopSeller (Windows 7)

| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7269-E6U | 2x3 | Pentium E5400 | 2.70 | 2MB | 2 | 1GB | 250GB[2] | DVD | GMA | Pro 32 | None | Jan 10 |
| **M58e** | 7269-E7U | 2x3 | Pentium E5400 | 2.70 | 2MB | 2 | 2GB | 250GB | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| **M58e** | 7269-E8U | 2x3 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | *3GB* | 320GB | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| **M58e** | 7269-E9U | 2x3 | Core 2 Quad Q9400 | 2.66 | 6MB | 4 | *3GB* | 500GB | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| ☞ **M58e** | 7269-F2U | 2x3 | Core 2 Quad Q9500 | 2.83 | 6MB | 4 | *3GB* | 500GB | DVD±RW | GMA | Pro 32 | None | Mar 10 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E5400** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q9400** or **Q9500** with **quad-core**, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB**, **2GB**, or **3GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets;<br>*Italics:* standard memory in both sockets; no sockets avail;<br>*Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 253MB *[1GB models]*, 765MB *[2GB models]*, or 1277MB *[3GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **250GB**, **320GB**, or **500GB,** SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information

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# ThinkCentre® M58e Small (7279)

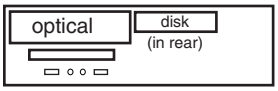


| | Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Vista preload | Vista logo | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ✂ | **M58e** | 7279-B1U | 2x3 | Pentium E2220 | 2.40 | 1MB | 2 | 2GB | 160GB[2] | DVD±RW | GMA | Business32 | Basic | None | Apr 09 |
| ✂ | **M58e** | 7279-A9U | 2x3 | Core 2 Duo E7300 | 2.66 | 3MB | 2 | 2GB | 160GB | DVD±RW | GMA | Business32 | Basic | None | Apr 09 |
| | **M58e** | 7279-A8U | 2x3 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 160GB | DVD±RW | GMA | Business32 | Basic | None | Apr 09 |

- ***These models have a 1-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E2220** with **dual-core**, 800MHz system bus, and 1MB L2 cache or **Intel Core™ 2 Duo Processor E7300** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 765MB), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® Vista® Business 32

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 160GB SATA 3.0Gb/s Disk (7200 rpm) | 09N4254 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **1-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **1-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9189)
  - **2-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9187)
  - **2-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9190)
  - **3-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9188)
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9191)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced March 10, 2009
✂ US models withdrawn effective June or August 2009

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# ThinkCentre® M58e Small (7303)

| | Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Floor stand | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ✂ | M58e | 7303-F9U | 2x3 | Pentium E5200 | 2.50 | 2MB | 2 | 1GB | 160GB[2] | DVD | GMA | Stand | XP Pro | | Apr 09 |
| ✂ | M58e | 7303-C6U | 2x3 | Pentium E5300 | 2.60 | 2MB | 2 | 1GB | 160GB | DVD | GMA | Stand | XP Pro | | Apr 09 |
| ✂ | M58e | 7303-G8U | 2x3 | Pentium E5300 | 2.60 | 2MB | 2 | 1GB | 160GB | DVD±RW | GMA | | XP Pro | Educ | Apr 09 |
| | M58e | 7303-C7U | 2x3 | Pentium E5300 | 2.60 | 2MB | 2 | 2GB | 250GB | DVD±RW | GMA | Stand | XP Pro | | Apr 09 |
| ✂ | M58e | 7303-C8U | 2x3 | Core 2 Duo E7400 | 2.80 | 3MB | 2 | 1GB | 160GB | DVD | GMA | Stand | XP Pro | | Apr 09 |
| ✂ | M58e | 7303-D1U | 2x3 | Core 2 Duo E7400 | 2.80 | 3MB | 2 | 2GB | 160GB | DVD±RW | GMA | Stand | XP Pro | | Apr 09 |
| | M58e | 7303-C9U | 2x3 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | 1GB | 160GB | DVD | GMA | Stand | XP Pro | | Apr 09 |
| | M58e | 7303-D2U | 2x3 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | 2GB | 160GB | DVD±RW | GMA | Stand | XP Pro | | Apr 09 |
| ✂ | M58e | 7303-D3U | 2x3 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 1GB | 160GB | DVD±RW | GMA | Stand | XP Pro | | Apr 09 |
| | M58e | 7303-D5U | 2x3 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 160GB | DVD±RW | GMA | Stand | XP Pro | | Apr 09 |
| ✂ | M58e | 7303-G7U | 2x3 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 160GB | DVD±RW | GMA | | XP Pro | Educ | Apr 09 |
| ✂ | M58e | 7303-D4U | 2x3 | Core 2 Duo E8500 | 3.16 | 6MB | 2 | 1GB | 250GB | DVD±RW | GMA | Stand | XP Pro | | Apr 09 |
| | M58e | 7303-D6U | 2x3 | Core 2 Duo E8500 | 3.16 | 6MB | 2 | 2GB | 250GB | DVD±RW | GMA | Stand | XP Pro | | Apr 09 |
| ✂ | M58e | 7303-G9U | 2x3 | Core 2 Quad Q8200 | 2.33 | 4MB | 4 | 2GB | 250GB | DVD±RW | GMA | Stand | XP Pro | | Apr 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E5200** or **E5300** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7400** or **E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Duo Processor E8400** or **E8500** with **dual-core**, 1333MHz system bus, and 6MB L2 cache or **Intel Core 2 Quad Processor Q8200** with **quad-core**, 1333MHz system bus, and 4MB L2 cache |
| Implementation | Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket |
| Memory | **1GB** or **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 512MB *[1GB models]*, 1GB *[2GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |

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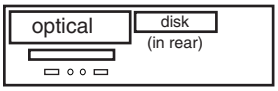


Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- *Some:* system floor stand for vertical orientation

| | |
|---|---|
| SATA disk | **160GB** or **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing |

### Security

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **Other ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

### Preloaded operating system[20]

- Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)

### Preloaded applications[5] (only some listed)

- *Some:* Education software
  - VitalSource Library School Edition
  - Adobe® Elements
    - Photoshop Elements 7
    - Premiere Elements 7
- Rescue and Recovery™
- Client Security Solution™
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

### Accessories

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

See footnotes for important warranty information
US models announced March 10 or March 24, 2009
✂ US models withdrawn effective October or December 2009

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# ThinkCentre® M58e Small (7303) - XP with Win 7 License

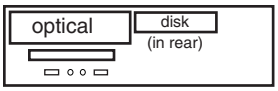


| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7303-R1U | 2x3 | Pentium E6300 | 2.80 | 2MB | 2 | 1GB | 250GB[2] | DVD | GMA | XP Pro | | Oct 09 |
| **M58e** | 7303-R2U | 2x3 | Pentium E6300 | 2.80 | 2MB | 2 | 2GB | 250GB | DVD±RW | GMA | XP Pro | | Oct 09 |
| ✂ **M58e** | 7303-R3U | 2x3 | Pentium E6300 | 2.80 | 2MB | 2 | 2GB | 250GB | DVD±RW | GMA | XP Pro | Educ | Oct 09 |
| **M58e** | 7303-Q9U | 2x3 | Core 2 Quad Q8400 | 2.66 | 4MB | 4 | 2GB | 250GB | DVD±RW | GMA | XP Pro | | Oct 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E6300** with **dual-core**, Virtualization Technology, 1066MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Quad Processor Q8400** with **quad-core**, Virtualization Technology, 1333MHz system bus, and 4MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB** or **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 512MB *[1GB models]*, 1GB *[2GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- *Some:* Education software
  - VitalSource Library School Edition
  - Adobe® Elements
    - Photoshop Elements 7
    - Premiere Elements 7
- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced October 22, 2009
✂ US model withdrawn effective December 2009

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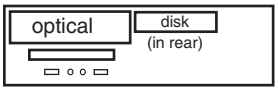
# ThinkCentre® M58e Small (7303) - Vista®

| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Vista preload | Vista logo | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7303-D8U | 2x3 | Pentium E5300 | 2.60 | 2MB | 2 | 1GB | 160GB[2] | DVD | GMA | Business32 | Basic | None | Apr 09 |
| **M58e** | 7303-D9U | 2x3 | Pentium E5300 | 2.60 | 2MB | 2 | 2GB | 250GB | DVD±RW | GMA | Business32 | Basic | None | Apr 09 |
| ✂ **M58e** | 7303-E1U | 2x3 | Core 2 Duo E7400 | 2.80 | 3MB | 2 | 1GB | 160GB | DVD | GMA | Business32 | Basic | None | Apr 09 |
| ✂ **M58e** | 7303-E3U | 2x3 | Core 2 Duo E7400 | 2.80 | 3MB | 2 | 2GB | 160GB | DVD±RW | GMA | Business32 | Basic | None | Apr 09 |
| ✂ **M58e** | 7303-E2U | 2x3 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | 1GB | 160GB | DVD | GMA | Business32 | Basic | None | Apr 09 |
| **M58e** | 7303-E4U | 2x3 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | 2GB | 160GB | DVD±RW | GMA | Business32 | Basic | None | Apr 09 |
| ✂ **M58e** | 7303-E5U | 2x3 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 1GB | 160GB | DVD±RW | GMA | Business32 | Basic | None | Apr 09 |
| **M58e** | 7303-E7U | 2x3 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 160GB | DVD±RW | GMA | Business32 | Basic | None | Apr 09 |
| ✂ **M58e** | 7303-E6U | 2x3 | Core 2 Duo E8500 | 3.16 | 6MB | 2 | 1GB | 250GB | DVD±RW | GMA | Business32 | Basic | None | Apr 09 |
| ✂ **M58e** | 7303-E8U | 2x3 | Core 2 Duo E8500 | 3.16 | 6MB | 2 | 2GB | 250GB | DVD±RW | GMA | Business32 | Basic | None | Apr 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E5300** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7400** or **E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Duo Processor E8400** or **E8500** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket |
| Memory | **1GB** or **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 253MB *[1GB models]*, 765MB *[2GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **160GB** or **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® Vista® Business 32

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced March 10, 2009
✂ US models withdrawn effective October or December 2009

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# ThinkCentre® M58e Small (7303) - Windows 7

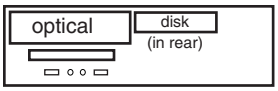


| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7303-BAU | 2x3 | Pentium E6300 | 2.80 | 2MB | 2 | 2GB | 250GB[2] | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| **M58e** | 7303-BBU | 2x3 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | 2GB | 250GB | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| **M58e** | 7303-BCU | 2x3 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 250GB | DVD±RW | GMA | Pro 32 | None | Jan 10 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E6300** with **dual-core**, 1066MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Duo Processor E8400** with **dual-core**, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 765MB), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced December 15, 2009

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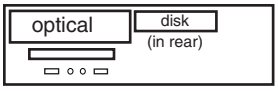
# ThinkCentre® M58e Small (7506)

| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | ENERGY STAR 5.0 | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ✂ **M58e** | 7506-C7U | 2x3 | Pentium E5200 | 2.50 | 2MB | 2 | 1GB | 160GB[2] | DVD | GMA | | XP Pro | | Apr 09 |
| ✂ **M58e** | 7506-B9U | 2x3 | Pentium E5300 | 2.60 | 2MB | 2 | 1GB | 160GB | DVD | GMA | | XP Pro | | Apr 09 |
| ✂ **M58e** | 7506-C1U | 2x3 | Core 2 Duo E7400 | 2.80 | 3MB | 2 | 2GB | 160GB | DVD±RW | GMA | ES50 | XP Pro | | Apr 09 |
| **M58e** | 7506-C2U | 2x3 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 160GB | DVD±RW | GMA | ES50 | XP Pro | | Apr 09 |
| ✂ **M58e** | 7506-C9U | 2x3 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 160GB | DVD±RW | GMA | ES50 | XP Pro | Educ | Apr 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E5200** or **E5300** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7400** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket |
| Memory | **1GB** or **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 512MB *[1GB models]*, 1GB *[2GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

Climate Savers®-compliant
*Some:* EPEAT™ Gold rating
*Some:* ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)

**Preloaded applications**[5]

- *Some:* Education software
  - VitalSource Library School Edition
  - Adobe® Elements
    - Photoshop Elements 7
    - Premiere Elements 7
- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced March 10 or March 24, 2009
✂ US models withdrawn effective June, October, or December 2009

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# ThinkCentre® M58e Small (7506) - ENERGY STAR® 5.0 (July 2009)

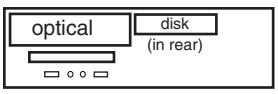


| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | ENERGY STAR 5.0 | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7506-M2U | 2x3 | Pentium E5300 | 2.60 | 2MB | 2 | 2GB | 160GB[2] | DVD±RW | GMA | ES50 | XP Pro | None | Jul 09 |
| **M58e** | 7506-M1U | 2x3 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | 2GB | 160GB | DVD±RW | GMA | ES50 | XP Pro | None | Jul 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E5300** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 1GB), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced July 7, 2009

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# ThinkCentre® M58e Small (7506) - ES 5.0 (XP with Win 7 License)

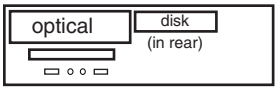


| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | ENERGY STAR 5.0 | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7506-N6U | 2x3 | Pentium E6300 | 2.80 | 2MB | 2 | 2GB | 250GB[2] | DVD±RW | GMA | ES50 | XP Pro | None | Oct 09 |

- ***This model has a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E6300** with **dual-core**, Virtualization Technology, 1066MHz system bus, and 2MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 1GB), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced October 22, 2009

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# ThinkCentre® M58e Small (7408) - GMP

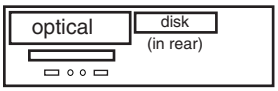


| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Vista preload | Vista logo | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7408-A1U | 2x3 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 160GB[2] | DVD±RW | GMA | Business32 | Basic | G P | Apr 09 |

- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA8 package in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 765MB), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® Vista® Business 32

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus™ part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced March 10, 2009

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(MIAM1-6) March 2009

# ThinkCentre® M58e Small (7408) - GMP (Windows 7)

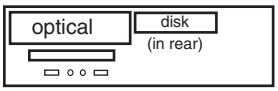


| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Win7 preload | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7408-A2U | 2x3 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 320GB[2] | DVD±RW | GMA | Pro 32 | G P | Oct 09 |

- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 765MB), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **320GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus™ part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced October 22, 2009

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# ThinkCentre® M58e Small (7514) - ENERGY STAR® 5.0 (GMP)

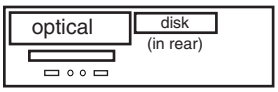


| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | ENERGY STAR 5.0 | Vista preload | Vista logo | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7514-A2U | 2x3 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 160GB[2] | DVD±RW | GMA | ES50 | Bus32 | Basic | G P | Apr 09 |

- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA8 package in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 765MB), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® Vista® Business 32

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus™ part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced March 10, 2009

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# ThinkCentre® M58e Tower (7258) - TopSeller (XP with Win 7 License)



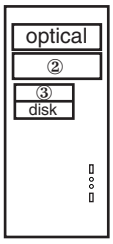
| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7258-B1U | 4x4 | Pentium E6300 | 2.80 | 2MB | 2 | 1GB | 250GB[2] | None | DVD | GMA | XP Pro | None | Nov 09 |
| **M58e** | 7258-B2U | 4x4 | Pentium E6300 | 2.80 | 2MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | XP Pro | None | Nov 09 |
| **M58e** | 7258-B3U | 4x4 | Pentium E6300 | 2.80 | 2MB | 2 | *3GB* | 500GB | None | DVD±RW | GMA | XP Pro | None | Nov 09 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 1-year limited warranty[1]***

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E6300** with **dual-core**, 1066MHz system bus, and 2MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB**, **2GB**, or **3GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets;<br>*Italics:* standard memory in both sockets; no sockets avail;<br>*Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 512MB *[1GB models]*, 1GB *[2GB or 3GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **250GB** or **500GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.7 lb (11.2 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCI Express x16 (75w max)
Slot 2: half-length,full-height, PCI Express x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **1-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **1-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9189)
  - **2-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9187)
  - **2-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9190)
  - **3-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9188)
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9191)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced November 3, 2009

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# ThinkCentre® M58e Tower (7258) - TopSeller (Windows 7)



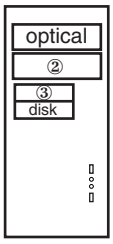
| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7258-D3U | 4x4 | Celeron E3200 | 2.40 | 1MB | 2 | 1GB | 250GB[2] | None | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| **M58e** | 7258-D2U | 4x4 | Pentium E5400 | 2.70 | 2MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| **M58e** | 7258-D1U | 4x4 | Pentium E5400 | 2.70 | 2MB | 2 | *3GB* | 320GB | None | DVD±RW | GMA | Pro 32 | None | Jan 10 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 1-year limited warranty[1]***

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Celeron® Processor E3200** with **dual-core**, 800MHz system bus, and 1MB L2 cache or **Intel Pentium® Processor E5400** with **dual-core**, 800MHz system bus, and 2MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB**, **2GB**, or **3GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Italics:* standard memory in both sockets; no sockets avail; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 253MB *[1GB models]*, 765MB *[2GB models]*, or 1277MB *[3GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.7 lb (11.2 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCI Express x16 (75w max)
Slot 2: half-length,full-height, PCI Express x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **1-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **1-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9189)
  - **2-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9187)
  - **2-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9190)
  - **3-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9188)
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9191)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced December 15, 2009

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# ThinkCentre® M58e Tower (7268) - TopSeller (XP with Win 7 License)

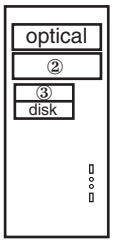
| | Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Chassis intr switch | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **M58e** | 7268-D2U | 4x4 | Pentium E5400 | 2.70 | 2MB | 2 | 1GB | 250GB[2] | None | DVD | GMA | | XP Pro | None | Jan 10 |
| | **M58e** | 7268-D1U | 4x4 | Pentium E5400 | 2.70 | 2MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | | XP Pro | None | Jan 10 |
| ✂ | **M58e** | 7268-C3U | 4x4 | Pentium E6300 | 2.80 | 2MB | 2 | 1GB | 250GB | None | DVD | GMA | Switch | XP Pro | None | Nov 09 |
| ✂ | **M58e** | 7268-C4U | 4x4 | Pentium E6300 | 2.80 | 2MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | Switch | XP Pro | None | Nov 09 |
| | **M58e** | 7268-C5U | 4x4 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | *3GB* | 320GB | None | DVD±RW | GMA | | XP Pro | None | Nov 09 |
| | **M58e** | 7268-C6U | 4x4 | Core 2 Quad Q9400 | 2.66 | 6MB | 4 | *3GB* | 500GB | None | DVD±RW | GMA | | XP Pro | None | Nov 09 |
| ☞ | **M58e** | 7268-E1U | 4x4 | Core 2 Quad Q9500 | 2.83 | 6MB | 4 | *3GB* | 500GB | None | DVD±RW | GMA | | XP Pro | None | Mar 10 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty[1]***

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E5400** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Pentium Processor E6300** with **dual-core**, 1066MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q9400** or **Q9500** with **quad-core**, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB**, **2GB**, or **3GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Italics:* standard memory in both sockets; no sockets avail; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 512MB *[1GB models]*, 1GB *[2GB or 3GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.7 lb (11.2 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCI Express x16 (75w max)
Slot 2: half-length,full-height, PCI Express x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

| | |
|---|---|
| SATA disk | **250GB**, **320GB**, or **500GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

**Security**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® Microsaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement
- *Some:* Chassis intrusion switch

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system[20]**

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications[5]** (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty[1]**

- **3-year parts and labor**
- **International Warranty Service[9]**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):[7]**
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day[14] toll-free support during the warranty period[1] via 800-426-7378**

See footnotes for important warranty information
☞ US model announced March 2, 2010; previous models on November 3 or December 15, 2009
✂ US models withdrawn effective January 2010

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# ThinkCentre® M58e Tower (7268) - TopSeller (Windows 7)



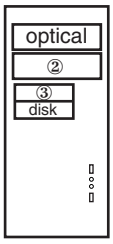
| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7268-D3U | 4x4 | Pentium E5400 | 2.70 | 2MB | 2 | 1GB | 250GB[2] | None | DVD | GMA | Pro 32 | None | Jan 10 |
| **M58e** | 7268-D4U | 4x4 | Pentium E5400 | 2.70 | 2MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| **M58e** | 7268-D5U | 4x4 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | *3GB* | 320GB | None | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| **M58e** | 7268-D6U | 4x4 | Core 2 Quad Q9400 | 2.66 | 6MB | 4 | *3GB* | 500GB | None | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| ☞ **M58e** | 7268-E2U | 4x4 | Core 2 Quad Q9500 | 2.83 | 6MB | 4 | *3GB* | 500GB | None | DVD±RW | GMA | Pro 32 | None | Mar 10 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E5400** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q9400** or **Q9500** with **quad-core**, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB**, **2GB**, or **3GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets;<br>*Italics:* standard memory in both sockets; no sockets avail;<br>*Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 253MB *[1GB models]*, 765MB *[2GB models]*, or 1277MB *[3GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **250GB**, **320GB**, or **500GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.7 lb (11.2 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCI Express x16 (75w max)
Slot 2: half-length,full-height, PCI Express x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® Microsaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- ➪ **3-year parts and labor**
- ➪ **International Warranty Service**[9]
- ➪ **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- ➪ **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- ➪ **ThinkPlus services at lenovo.com**/thinkplus/warranty
- ➪ **Post warranty maintenance services available**
- ➪ **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information

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☞ US model announced March 2, 2010; previous models on January 12, 2010

# ThinkCentre® M58e Tower (7270)

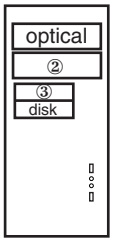
| | Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | Media reader | SATA disk | 2nd Disk Bay | SATA optical | Graphics | FireWire adapter | Vista preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ✂ | **M58e** | 7270-A3U | 4x4 | Pentium E2220 | 2.40 | 1MB | 2 | 2GB | | 160GB[2] | No | DVD±RW | GMA | | Bus32 | No | Apr 09 |
| ✂ | **M58e** | 7270-A2U | 4x4 | Core 2 Duo E7300 | 2.66 | 3MB | 2 | 2GB | | 160GB | No | DVD±RW | GMA | | Bus32 | No | Apr 09 |
| | **M58e** | 7270-A1U | 4x4 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | | 160GB | No | DVD±RW | GMA | | Bus32 | No | Apr 09 |
| ✂ | **M58e** | 7270-A4U | 4x4 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 25-in-1 | 160GB | No | DVD±RW | GMA | 1394 | Bus32 | No | Apr 09 |

- ***These models have a 1-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E2220** with **dual-core**, 800MHz system bus, and 1MB L2 cache or **Intel Core™ 2 Duo Processor E7300** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 765MB), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | *Some:* 25-in-1 media reader, internal USB 2.0 |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | *Some:* FireWire PCI adapter / IEEE 1394 FireWire 400 (dual 6-pin ports on rear; 1394-1995 standard) |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

## Tower

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.7 lb (11.2 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, opt reader/diskette*
Bay ④ 3.5", 1" high, no access, std disk

* occupied by media reader in some models

Slot 1: half-length,full-height, PCI Express x16 (75w max)
Slot 2: half-length,full-height, PCI Express x1
Slot 3: half-length,full-height, 32-bit PCI 2.3**
Slot 4: half-length,full-height, 32-bit PCI 2.3

** occupied by FireWire adapter in some models

## Security

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

## Preloaded operating system[20]

- Genuine Windows® Vista® Business 32
✧ Vista Basic logo

## Preloaded applications[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

## Accessories

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

## Limited Warranty[1]

- **1-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **1-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9189)
  - **2-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9187)
  - **2-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9190)
  - **3-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9188)
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9191)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced March 10, 2009
✂ US models withdrawn effective June, August, or December 2009

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# ThinkCentre® M58e Tower (7298)

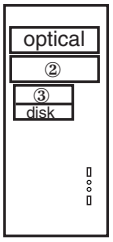
| | Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ✂ | M58e | 7298-F2U | 4x4 | Pentium E5200 | 2.50 | 2MB | 2 | 1GB | 160GB[2] | None | DVD | GMA | XP Pro | | Apr 09 |
| ✂ | M58e | 7298-C3U | 4x4 | Pentium E5300 | 2.60 | 2MB | 2 | 1GB | 160GB | None | DVD | GMA | XP Pro | | Apr 09 |
| | M58e | 7298-C4U | 4x4 | Pentium E5300 | 2.60 | 2MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | XP Pro | | Apr 09 |
| ✂ | M58e | 7298-C5U | 4x4 | Core 2 Duo E7400 | 2.80 | 3MB | 2 | 1GB | 160GB | None | DVD | GMA | XP Pro | | Apr 09 |
| ✂ | M58e | 7298-C6U | 4x4 | Core 2 Duo E7400 | 2.80 | 3MB | 2 | 2GB | 160GB | None | DVD±RW | GMA | XP Pro | | Apr 09 |
| | M58e | 7298-C7U | 4x4 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | 2GB | 160GB | None | DVD±RW | GMA | XP Pro | | Apr 09 |
| ✂ | M58e | 7298-C8U | 4x4 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 1GB | 160GB | None | DVD±RW | GMA | XP Pro | | Apr 09 |
| | M58e | 7298-D1U | 4x4 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 160GB | None | DVD±RW | GMA | XP Pro | | Apr 09 |
| ✂ | M58e | 7298-F8U | 4x4 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 160GB | None | DVD±RW | GMA | XP Pro | Educ | Apr 09 |
| ✂ | M58e | 7298-C9U | 4x4 | Core 2 Duo E8500 | 3.16 | 6MB | 2 | 1GB | 250GB | None | DVD±RW | GMA | XP Pro | | Apr 09 |
| | M58e | 7298-D2U | 4x4 | Core 2 Duo E8500 | 3.16 | 6MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | XP Pro | | Apr 09 |
| ✂ | M58e | 7298-F9U | 4x4 | Core 2 Quad Q8200 | 2.33 | 4MB | 4 | 2GB | 250GB | None | DVD±RW | GMA | XP Pro | | Apr 09 |
| ☞ | M58e | 7298-G1U | 4x4 | Core 2 Quad Q9400 | 2.66 | 6MB | 4 | 2GB | 250GB | None | DVD±RW | GMA | XP Pro | | Apr 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E5200** or **E5300** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7400** or **E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Duo Processor E8400** or **E8500** with **dual-core**, 1333MHz system bus, and 6MB L2 cache or **Intel Core 2 Quad Processor Q8200** with **quad-core**, 1333MHz system bus, and 4MB L2 cache or **Intel Core 2 Quad Processor Q9400** with **quad-core**, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket |
| Memory | **1GB** or **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 512MB *[1GB models]*, 1GB *[2GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **160GB** or **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

## Tower

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.7 lb (11.2 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCI Express x16 (75w max)
Slot 2: half-length,full-height, PCI Express x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

## Security

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

## Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **Other ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

## Preloaded operating system[20]

- Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)

**Preloaded applications**[5] (only some listed)

- *Some:* Education software
  - VitalSource Library School Edition
  - Adobe® Elements
    - Photoshop Elements 7
    - Premiere Elements 7
- Rescue and Recovery™
- McAfee® VirusScan® Plus (30-day)
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

## Accessories

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

See footnotes for important warranty information
☞ US models announced March 24, 2009; previous models on March 10, 2009
✂ US models withdrawn effective October or December 2009

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# ThinkCentre® M58e Tower (7298) - July 2009

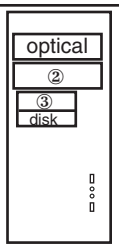
| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ✂ **M58e** | 7298-H9U | 4x4 | Pentium E5300 | 2.60 | 2MB | 2 | 2GB | 160GB[2] | None | DVD±RW | GMA | XP Pro | Educ | Jul 09 |
| ✂ **M58e** | 7298-H6U | 4x4 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | 1GB | 160GB | None | DVD | GMA | XP Pro | | Jul 09 |
| ✂ **M58e** | 7298-H8U | 4x4 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | 2GB | 160GB | None | DVD±RW | GMA | XP Pro | Educ | Jul 09 |
| **M58e** | 7298-H7U | 4x4 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | XP Pro | | Jul 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E5300** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket |
| Memory | **1GB** or **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 512MB *[1GB models]*, 1GB *[2GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **160GB** or **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

## Tower

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.7 lb (11.2 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCI Express x16 (75w max)
Slot 2: half-length,full-height, PCI Express x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

## Security

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

## Preloaded operating system[20]

- Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)

## Preloaded applications[5]

- *Some:* Education software
  - VitalSource Library School Edition
  - Adobe® Elements
    - Photoshop Elements 7
    - Premiere Elements 7
- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

## Accessories

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

## Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced July 7, 2009
✂ US models withdrawn effective December 2009

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# ThinkCentre® M58e Tower (7298) - XP with Win 7 License



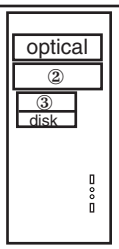
| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7298-N1U | 4x4 | Pentium E6300 | 2.80 | 2MB | 2 | 1GB | 250GB[2] | None | DVD | GMA | XP Pro | | Oct 09 |
| **M58e** | 7298-N2U | 4x4 | Pentium E6300 | 2.80 | 2MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | XP Pro | | Oct 09 |
| ✂ **M58e** | 7298-N3U | 4x4 | Pentium E6300 | 2.80 | 2MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | XP Pro | Educ | Oct 09 |
| **M58e** | 7298-M9U | 4x4 | Core 2 Quad Q8400 | 2.66 | 4MB | 4 | 2GB | 250GB | None | DVD±RW | GMA | XP Pro | | Oct 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E6300** with **dual-core**, Virtualization Technology, 1066MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Quad Processor Q8400** with **quad-core**, Virtualization Technology, 1333MHz system bus, and 4MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB** or **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 512MB *[1GB models]*, 1GB *[2GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

### Tower

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.7 lb (11.2 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCI Express x16 (75w max)
Slot 2: half-length,full-height, PCI Express x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

### Security

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

### Preloaded operating system[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

### Preloaded applications[5] (only some listed)

- *Some:* Education software
  - VitalSource Library School Edition
  - Adobe® Elements
    - Photoshop Elements 7
    - Premiere Elements 7
- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

### Accessories

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced October 22, 2009
✂ US model withdrawn effective December 2009

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# ThinkCentre® M58e Tower (7298) - Windows 7



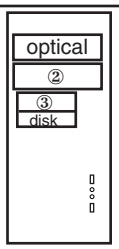
| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7298-Q1U | 4x4 | Pentium E6300 | 2.80 | 2MB | 2 | 2GB | 250GB[2] | None | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| **M58e** | 7298-Q2U | 4x4 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| **M58e** | 7298-Q3U | 4x4 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | Pro 32 | None | Jan 10 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E6300** with **dual-core**, 1066MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Duo Processor E8400** with **dual-core**, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 765MB), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.7 lb (11.2 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCI Express x16 (75w max)
Slot 2: half-length,full-height, PCI Express x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced December 15, 2009

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# ThinkCentre® M58e Tower (7847) - ES 5.0 (XP with Win 7 License)



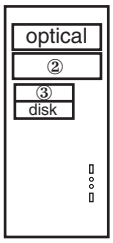
| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | ENERGY STAR 5.0 | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7847-A2U | 4x4 | Pentium E6300 | 2.80 | 2MB | 2 | 1GB | 250GB[2] | None | DVD | GMA | ES50 | XP Pro | None | Oct 09 |
| **M58e** | 7847-A3U | 4x4 | Pentium E6300 | 2.80 | 2MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | ES50 | XP Pro | None | Oct 09 |
| **M58e** | 7847-A4U | 4x4 | Core 2 Duo E7500 | 2.93 | 3MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | ES50 | XP Pro | None | Oct 09 |
| **M58e** | 7847-A5U | 4x4 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | ES50 | XP Pro | None | Oct 09 |
| **M58e** | 7847-A7U | 4x4 | Core 2 Quad Q9400 | 2.66 | 6MB | 4 | *3GB* | 320GB | None | DVD±RW | GMA | ES50 | XP Pro | None | Oct 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Pentium® Processor E6300** with **dual-core**, Virtualization Technology, 1066MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7500** with **dual-core**, Virtualization Technology, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache or **Intel Core 2 Quad Processor Q9400** with **quad-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB**, **2GB**, or **3GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets;<br>*Italics:* standard memory in both sockets; no sockets avail;<br>*Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 512MB *[1GB models]*, 1GB *[2GB or 3GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.7 lb (11.2 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCI Express x16 (75w max)
Slot 2: half-length,full-height, PCI Express x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced October 22, 2009

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# ThinkCentre® M58e Tower (7307) - GMP

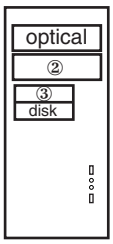
| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Vista preload | Vista logo | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7307-A1U | 4x4 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 160GB[2] | None | DVD±RW | GMA | Business32 | Basic | G P | Apr 09 |

- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA8 package in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 765MB), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.7 lb (11.2 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCI Express x16 (75w max)
Slot 2: half-length,full-height, PCI Express x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

**Preloaded operating system**[20]

- Genuine Windows® Vista® Business 32

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus™ part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced March 10, 2009

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# ThinkCentre® M58e Tower (7843) - ES 5.0 (GMP) - Windows 7

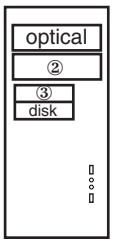
| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | ENERGY STAR 5.0 | Win7 preload | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58e** | 7843-A1U | 4x4 | Core 2 Duo E8400 | 3.00 | 6MB | 2 | 2GB | 250GB[2] | None | DVD±RW | GMA | ES50 | Pro 32 | G P | Oct 09 |

- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

| | |
|---|---|
| Positioning | *Mainstream enterprise stability and manageability* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 765MB), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.7 lb (11.2 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCI Express x16 (75w max)
Slot 2: half-length,full-height, PCI Express x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |

More accessories on O-M58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus™ part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced October 22, 2009

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# ThinkCentre® M58e Accessories

**Partial list of accessories supported on ThinkCentre M58e**

**Memory**

| | | |
|---|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 | *ann 09/26/06* |
| 1GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0549 | *ann 03/17/09* |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 | *ann 01/08/08* |
| 2GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0550 | *ann 03/17/09* |

**Optical**

*All:*

| | | |
|---|---|---|
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] | 41N5618 | *ann 09/26/06* |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 | *ann 09/26/06* |

*Tower 7268/7270/7298/7491/7307/7508/7847/7843/7258 support:*

| | | |
|---|---|---|
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 | *ann 03/31/09* |

**Storage and removable storage**

| | | |
|---|---|---|
| 160GB SATA 3.0Gb/s Disk (7200 rpm) | 09N4254 | *ann 05/19/03* |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 | *ann 01/24/06* |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 | *ann 11/06/07* |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 | *ann 08/19/08* |
| USB 2.0 Essential Memory Key 4GB | 45J7904 | *ann 06/24/08* |
| USB 2.0 Essential Memory Key 8GB | 45J7905 | *ann 07/15/08* |
| USB 2.0 Essential Memory Key 32GB | 45K1258 | *ann 10/28/08* |
| USB 2.0 Ultra Secure Memory Key 1GB | 45J5915 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 2GB | 45J5916 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 4GB | 45J5917 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 8GB | 45J5918 | *ann 08/26/08* |
| USB 2.0 Portable 320GB Hard Disk | 45K1689 | *ann 03/17/09* |
| USB 2.0 Portable 500GB Hard Disk | 45K1690 | *ann 05/26/09* |
| USB 2.0 Portable Secure 160GB Hard Disk | 43R2018 | *ann 11/18/08* |
| USB 2.0 Portable Secure 320GB Hard Disk | 43R2019 | *ann 11/18/08* |
| eSATA/USB 2.0 Secure 500GB Hard Drive | 57Y4400 | *ann 01/07/10* |
| USB 2.0 Super Multi-Burner Drive | 41N5565 | *ann 01/23/07* |
| USB 2.0 Portable DVD Burner | 43N3264 | *ann 01/05/10* |

**Graphics**

*Small 7269/7279/7303/7506/7408/7514/7259 support Low Profile 35 watts max:*

| | | |
|---|---|---|
| DisplayPort™ to Single-link DVI-D Cable[50] | 45J7915 | *ann 08/05/08* |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 | *ann 11/06/07* |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 | *ann 11/18/08* |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 | *ann 12/18/07* |
| NVIDIA Quadro 256MB FX 370 Low-Profile | 55Y9275 | *ann 07/28/09* |
| NVIDIA GeForce® 310 DMS59(2-DVI, 2-VGA) | 57Y4167 | *ann 03/02/10* |

*Tower 7268/7270/7298/7491/7307/7508/7847/7843/7258 support 75 watts max:*

| | | |
|---|---|---|
| DisplayPort to Single-link DVI-D Cable[50] | 45J7915 | *ann 08/05/08* |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 | *ann 11/06/07* |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 | *ann 11/18/08* |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 | *ann 12/18/07* |
| NVIDIA GeForce 9500GT 512MB (DP, DVI) | 45K1635 | *ann 11/18/08* |
| NVIDIA GeForce 310 DMS59 (2-DVI, 2-VGA) | 57Y4167 | *ann 03/02/10* |

[50] Attaches to the ThinkCentre compatible DisplayPort graphics card.

More information at **www.lenovo.com/support/graphiccards**

**Keyboard**

| | | |
|---|---|---|
| Preferred Pro USB Keyboard | 73P5220 | *ann 06/21/05* |
| Preferred Pro Full Size PS/2 Keyboard | 31P7415 | *ann 06/04/02* |
| Enhanced Performance USB Keyboard | 73P2620 | *ann 03/23/04* |
| Ultraslim Wireless Keyboard and Mouse[52] | 57Y4700 | *ann 09/15/09* |
| Lenovo® USB Fingerprint Keyboard | 73P4730 | *ann 02/22/05* |
| Lenovo USB Smartcard Keyboard | 51J0155 | *ann 03/24/09* |

[52] Wireless via 2.4GHz technology using a micro-size USB receiver.

More information at **www.lenovo.com/support/keyboards**

**Mouse**

| | | |
|---|---|---|
| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 | *ann 05/19/09* |
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 | *ann 05/19/09* |
| Lenovo Optical Mouse (USB) | 06P4069 | *ann 05/21/03* |
| Lenovo ScrollPoint® Mouse (USB, Opitical) | 31P7405 | *ann 08/27/02* |
| Lenovo Laser Mouse (USB) | 41U3074 | *ann 01/23/07* |
| Lenovo Wireless Laser Mouse - Black[52] | 45K1696 | *ann 11/25/08* |
| Lenovo Wireless Laser Mouse - Red/Black[52] | 51J0198 | *ann 11/25/08* |

More information at **www.lenovo.com/support/mice**

**Multimedia**

| | | |
|---|---|---|
| USB 2.0 Lenovo Webcam | 40Y8519 | *ann 08/29/06* |
| ThinkPad® In-Ear Headphones | 57Y4488 | *ann 01/07/10* |

**Security**

| | | |
|---|---|---|
| Kensington® MicroSaver® Cable Lock[56] | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock[56] | 45K1620 | *ann 09/30/08* |
| USB Gemplus GemPC Smart Card Reader | 41N3040 | *ann 02/21/06* |

[56] Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis itself.

**Monitors**

| | | |
|---|---|---|
| ThinkVision® L1711p 17" Monitor | 5047HB2 | *ann 10/20/09* |
| ThinkVision L1900p 19" Monitor | 4431HE1 | *ann 11/11/08* |
| ThinkVision L1951p Wide 19" Monitor | 2448HB6 | *ann 10/20/09* |
| ThinkVision L2250p Wide 22" Monitor | 2572HB6 | *ann 10/20/09* |
| ThinkVision L2251p Wide 22" Monitor | 2572HD6 | *ann 10/20/09* |
| ThinkVision L2251x Wide 22" Monitor | 2578HB6 | *ann 10/20/09* |
| ThinkVision L2440p Wide 24" Monitor | 4420HB2 | *ann 09/17/08* |

More information at **www.lenovo.com/thinkvision**

**Monitor Accessories**[46]

| | | |
|---|---|---|
| Lenovo USB-to-DVI Monitor Adapter | 45K5296 | *ann 05/12/09* |
| ThinkVision USB Soundbar | 40Y7616 | *ann 08/23/05* |
| ThinkVision Soundbar | 45K1263 | *ann 09/16/08* |
| Kensington MicroSaver Cable Lock[56] | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock[56] | 45K1620 | *ann 09/30/08* |
| Radial Arm | 19K4464 | *ann 05/05/00* |

[46] Compatible on selected Lenovo and ThinkVision monitors.

More information at **www.lenovo.com/support/monitoraccessories**

**Medialess License Key (MLK)**

| | | |
|---|---|---|
| Microsoft® Office 2007 Basic, English | 43R1528 | *ann 07/03/07* |
| Microsoft Office 2007 Small Business, Engl | 43R1534 | *ann 07/03/07* |
| Microsoft Office 2007 Professional, English | 43R1531 | *ann 07/03/07* |

For more information on desktop accessories, please visit:
**www.lenovo.com/support/accessories**
**www.lenovo.com/support/desktopaccessories**
**www.lenovo.com/support/security**

Other accessories at **www.lenovo.com/accessories**

Accessories Guide pdf at **www.lenovo.com/accessoriesguide**

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Lenovo ThinkCentre M58 Eco Ultra Small

Lenovo ThinkCentre M58 Eco Ultra Small
with dual Lenovo ThinkVision monitors

Lenovo ThinkCentre M58 Small

Lenovo ThinkCentre M58 Small
with Lenovo ThinkVision monitor

Lenovo ThinkCentre M58 Tower

Lenovo ThinkCentre M58 Tower
with dual Lenovo ThinkVision monitors

# ThinkCentre® M58 Eco Ultra Small (8820) - TopS (XP with Win 7 License)

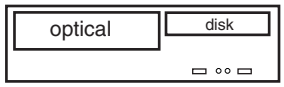


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58** | 8820-ANU | 1x2 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | ES50 | None | XP Pro | None | Nov 09 |

- ***This small and medium business (SMB) model is part of the US TopSeller™ Program***
- ***This model has a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 10.8" W X 9.4" D X 3.1" H
- 275mm W X 238mm D X 80mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - security slot and cover release button are combined into one latch for improved chassis security
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Individual USB port disablement

Supports ThinkVantage® technologies

EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 SODIMM (notebook) | 43R1987 |
| 2GB PC3-8500 DDR3 SODIMM (notebook) | 43R1988 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced November 3, 2009

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# ThinkCentre® M58 Eco Ultra Small (8820) - TopSeller (Windows 7)

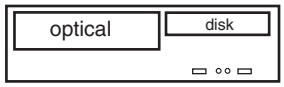


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58** | 8820-AQU | 1x2 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | ES50 | None | Pro 32 | None | Jan 10 |

- ***This small and medium business (SMB) model is part of the US TopSeller™ Program***
- ***This model has a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 10.8" W X 9.4" D X 3.1" H
- 275mm W X 238mm D X 80mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - security slot and cover release button are combined into one latch for improved chassis security
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Individual USB port disablement

Supports ThinkVantage® technologies

EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

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| 2GB PC3-8500 DDR3 SODIMM (notebook) | 43R1988 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced January 12, 2010

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# ThinkCentre® M58 Eco Ultra Small (7359) - January 2009

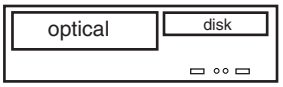


| | Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **M58** | 7359-B5U | 1x2 | Pentium E5300 | 2.60 | 2 | 2GB | 160GB[2] | DVD | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | | Feb 09 |
| ☞ | **M58** | 7359-B8U | 1x2 | Pentium E5300 | 2.60 | 2 | 2GB | 160GB | DVD±RW | GMA | VGA, DP | | ES50 | No | XP Pro | | Apr 09 |
| ✂ | **M58** | 7359-B1U | 1x2 | Core 2 Duo E7400 | 2.80 | 2 | 1GB | 160GB | DVD | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | | Feb 09 |
| ✂ | **M58** | 7359-B2U | 1x2 | Core 2 Duo E7400 | 2.80 | 2 | 2GB | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | | Feb 09 |
| | **M58** | 7359-B3U | 1x2 | Core 2 Duo E7500 | 2.93 | 2 | 1GB | 160GB | DVD | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | | Feb 09 |
| | **M58** | 7359-B4U | 1x2 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | | Feb 09 |
| ✂ | **M58** | 7359-B6U | 1x2 | Core 2 Duo E7400 | 2.80 | 2 | 2GB | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | Bus32 | Gbl | Feb 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor E5300** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7400** or **E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket |
| Memory | **1GB** or **2GB std**, 4GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (*XP Pro models*: up to 512MB *[1GB models]*, 1GB *[2GB models]*; *Vista models*: up to 765MB *[2GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| DP dongle | *Some:* DisplayPort to Single-link DVI-D Cable |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 10.8" W X 9.4" D X 3.1" H
- 275mm W X 238mm D X 80mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- Toolless systemboard retention
- System floor stand for vertical orientation

| | |
|---|---|
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - security slot and cover release button are combined into one latch for improved chassis security
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Individual USB port disablement

Supports ThinkVantage® technologies

EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- *Some:* Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)
- *Some:* Genuine Windows Vista Business 32

✧ *Vista models:* Vista Premium logo

**Preloaded applications**[5] (all OSes)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager (Vista)
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 SODIMM (notebook) | 43R1987 |
| 2GB PC3-8500 DDR3 SODIMM (notebook) | 43R1988 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
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- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information

☞ US model announced April 7, 2009; previous models on January 20, 2009

✂ US models withdrawn effective October 2009

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# ThinkCentre® M58 Eco Ultra Small (7359) - XP with Win 7 License

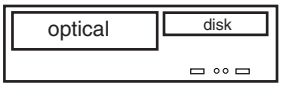


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58** | 7359-DUU | 1x2 | Pentium E6300 | 2.80 | 2 | 2GB | 250GB[2] | DVD | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | | Oct 09 |
| **M58** | 7359-DVU | 1x2 | Pentium E6300 | 2.80 | 2 | 2GB | 250GB | DVD±RW | GMA | VGA, DP | | ES50 | No | XP Pro | | Oct 09 |
| ✂ **M58** | 7359-DWU | 1x2 | Pentium E6300 | 2.80 | 2 | 2GB | 250GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | Educ | Oct 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor E6300** with **dual-core**, Virtualization Technology, 1066MHz system bus, and 2MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| DP dongle | *Some:* DisplayPort to Single-link DVI-D Cable |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**

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**Preloaded applications**[5] (only some listed)

- *Some:* Education software
  - VitalSource™ Library School Edition
  - Adobe® Elements
    - Photoshop Elements 6
    - Premiere Elements 4
- Rescue and Recovery™
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  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced October 22, 2009
✂ US model withdrawn effective December 2009

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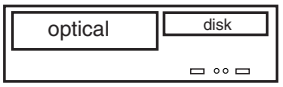
# ThinkCentre® M58 Eco Ultra Small (7359) - Windows 7

| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58** | 7359-F5U | 1x2 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | Pro 32 | None | Jan 10 |

- ***This model has a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| DP dongle | DisplayPort to Single-link DVI-D Cable |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 10.8" W X 9.4" D X 3.1" H
- 275mm W X 238mm D X 80mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - security slot and cover release button are combined into one latch for improved chassis security
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Individual USB port disablement

Supports ThinkVantage® technologies

EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5]

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 SODIMM (notebook) | 43R1987 |
| 2GB PC3-8500 DDR3 SODIMM (notebook) | 43R1988 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced December 15, 2009

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# ThinkCentre® M58 Eco Ultra Small (7637) - GMP (Windows 7)

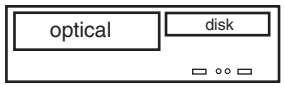


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Win 7 preload | Global GMP (G) (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58** | 7637-A2U | 1x2 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | ES50 | No | Pro 32 | G P | Nov 09 |

- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 10.8" W X 9.4" D X 3.1" H
- 275mm W X 238mm D X 80mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - security slot and cover release button are combined into one latch for improved chassis security
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Individual USB port disablement

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 SODIMM (notebook) | 43R1987 |
| 2GB PC3-8500 DDR3 SODIMM (notebook) | 43R1988 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

Supports ThinkVantage® technologies

EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**



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# ThinkCentre® M58 Small (8910) - TopSeller (XP with Win 7 License)

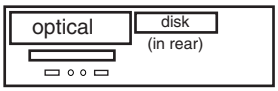


| | Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | Chassis intr switch | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **M58** | 8910-APU | 2x3 | Pentium E5400 | 2.70 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | | No | XP Pro | No | Jan 10 |
| ✂ | **M58** | 8910-ALU | 2x3 | Pentium E6300 | 2.80 | 2 | 2GB | 250GB | DVD±RW | GMA | VGA, DP | None | Switch | No | XP Pro | No | Nov 09 |
| | **M58** | 8910-AMU | 2x3 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB | DVD±RW | GMA | VGA, DP | None | | No | XP Pro | No | Nov 09 |
| ☞ | **M58** | 8910-ATU | 2x3 | Core 2 Quad Q9500 | 2.83 | 4 | *4GB* | 320GB | DVD±RW | GMA | VGA, DP | None | | No | XP Pro | No | Mar 10 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor E5400** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Pentium Processor E6300** with **dual-core**, 1066MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q9500** with **quad-core**, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB** or **4GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors on planar |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, two diagnostic LEDs |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement
- *Some:* Chassis intrusion switch

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information

☞ US model announced February 23, 2010; previous models on November 3 or December 15, 2009

✂ US model withdrawn effective January 2010

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# ThinkCentre® M58 Small (8910) - TopSeller (Windows 7)

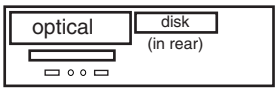


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58** | 8910-AQU | 2x3 | Pentium E5400 | 2.70 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | None | Pro 32 | None | Jan 10 |
| **M58** | 8910-ARU | 2x3 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB | DVD±RW | GMA | VGA, DP | None | None | Pro 32 | None | Jan 10 |
| ☞ **M58** | 8910-AUU | 2x3 | Core 2 Quad Q9500 | 2.83 | 4 | *4GB* | 320GB | DVD±RW | GMA | VGA, DP | None | None | Pro 32 | None | Mar 10 |
| ☞ **M58** | 8910-ASU | 2x3 | Core 2 Duo E7500 | 2.93 | 2 | *4GB* | 320GB | DVD±RW | GMA | VGA, DP | None | None | Pro 64 | None | Mar 10 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor E5400** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q9500** with **quad-core**, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB** or **4GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB *[2GB models]* or 1759MB *[4GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

| | |
|---|---|
| SATA disk | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors on planar |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, two diagnostic LEDs |

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- *Some:* Genuine Windows® 7 Professional 32
- *Some:* Genuine Windows 7 Professional 64

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information

☞ US models announced February 23, 2010; previous models on January 12, 2010

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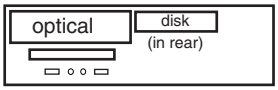
# ThinkCentre® M58 Small (7360) - January 2009

| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | DisplayPort dongle | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ✂ **M58** | 7360-D8U | 2x3 | Pentium E5300 | 2.60 | 2 | 1GB | 160GB[2] | DVD | GMA | VGA, DP | DP-to-DVI-D | No | XP Pro | | Apr 09 |
| **M58** | 7360-BVU | 2x3 | Pentium E5300 | 2.60 | 2 | 2GB | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | No | XP Pro | | Feb 09 |
| ✂ **M58** | 7360-BWU | 2x3 | Core 2 Duo E7400 | 2.80 | 2 | 1GB | 160GB | DVD | GMA | VGA, DP | | No | XP Pro | | Feb 09 |
| ✂ **M58** | 7360-D4U | 2x3 | Core 2 Duo E7400 | 2.80 | 2 | 1GB | 160GB | DVD±RW | GMA | VGA, DP | | No | XP Pro | | Feb 09 |
| ✂ **M58** | 7360-D1U | 2x3 | Core 2 Duo E7400 | 2.80 | 2 | 2GB | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | No | XP Pro | | Feb 09 |
| ✂ **M58** | 7360-D5U | 2x3 | Core 2 Duo E7400 | 2.80 | 2 | 2GB | 250GB | DVD±RW | ***3470*** | VGA, DP | DP-to-DVI-D | No | XP Pro | | Feb 09 |
| ✂ **M58** | 7360-D2U | 2x3 | Core 2 Duo E7500 | 2.93 | 2 | 1GB | 160GB | DVD | GMA | VGA, DP | | No | XP Pro | | Feb 09 |
| **M58** | 7360-D3U | 2x3 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | No | XP Pro | | Feb 09 |
| ✂ **M58** | 7360-D6U | 2x3 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB | DVD±RW | ***3470*** | VGA, DP | DP-to-DVI-D | No | XP Pro | | Feb 09 |
| ✂ **M58** | 7360-D7U | 2x3 | Core 2 Duo E7400 | 2.80 | 2 | *2GB* | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | No | Bus32 | Gbl | Feb 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor E5300** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7400** or **E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket |
| Memory | **1GB** or **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | *Some:* **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (*XP Pro*: up to 512MB *[1GB models]*, 1GB *[2GB models]*; *Vista*: up to 765MB *[2GB models]*), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display<br>*Some:* **ATI™ Radeon™ HD 3470**, PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™, 25 watts |
| DP dongle | *Some:* DisplayPort to Single-link DVI-D Cable |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16*
Slot 2: Low Profile, 32-bit PCI 2.3

* used in some models

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

| | |
|---|---|
| SATA disk | **160GB** or **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors on planar |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, two diagnostic LEDs |

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- *Some:* Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)
- *Some:* Genuine Windows Vista Business 32

✧ *Vista models:* Vista Premium logo

**Preloaded applications**[5] (all OSes; only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage Power Manager (Vista)
- McAfee® VirusScan® Plus (30-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 20 or April 7, 2009
✂ US models withdrawn effective October or December 2009

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# ThinkCentre® M58 Small (7360) - XP with Win 7 License

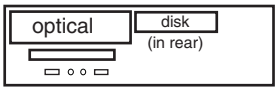


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58** | 7360-EFU | 2x3 | Pentium E6300 | 2.80 | 2 | 1GB | 250GB[2] | DVD | GMA | VGA, DP | DP-to-DVI-D | None | XP Pro | | Nov 09 |
| **M58** | 7360-EDU | 2x3 | Pentium E6300 | 2.80 | 2 | 2GB | 250GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | None | XP Pro | | Nov 09 |
| ✂ **M58** | 7360-EGU | 2x3 | Pentium E6300 | 2.80 | 2 | 2GB | 250GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | None | XP Pro | Educ | Nov 09 |
| **M58** | 7360-DBU | 2x3 | Core 2 Quad Q8400 | 2.66 | 4 | 2GB | 250GB | DVD±RW | GMA | VGA, DP | | None | XP Pro | | Nov 09 |
| **M58** | 7360-ECU | 2x3 | Core 2 Quad Q8400 | 2.66 | 4 | 2GB | 250GB | DVD±RW | ***3470*** | VGA, DP | DP-to-DVI-D | None | XP Pro | | Nov 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor E6300** with **dual-core**, Virtualization Technology, 1066MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Quad Processor Q8400** with **quad-core**, Virtualization Technology, 1333MHz system bus, and 4MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB** or **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | *Some:* **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 512MB *[1GB models]*, 1GB *[2GB models]*), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display<br>*Some:* **ATI™ Radeon™ HD 3470**, PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™, 25 watts |
| DP dongle | *Some:* DisplayPort to Single-link DVI-D Cable |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16*
Slot 2: Low Profile, 32-bit PCI 2.3

* used in some models

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

| | |
|---|---|
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors on planar |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, two diagnostic LEDs |

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- *Some:* Education software
  - VitalSource™ Library School Edition
  - Adobe® Elements
    - Photoshop Elements 6
    - Premiere Elements 4
- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced October 22, 2009
✂ US model withdrawn effective December 2009

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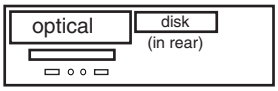
# ThinkCentre® M58 Small (7360) - Windows 7

| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58** | 7360-EHU | 2x3 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | None | Pro 32 | None | Jan 10 |

- ***This model has a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| DP dongle | DisplayPort to Single-link DVI-D Cable |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, two diagnostic LEDs |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5]

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced December 15, 2009

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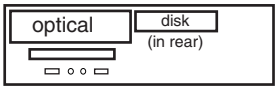
# ThinkCentre® M58 Small (6258) - ENERGY STAR® 5.0 (January 2009)

| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ✂ **M58** | 6258-AJU | 2x3 | Pentium E5300 | 2.60 | 2 | 2GB | 160GB[2] | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | | Feb 09 |
| ✂ **M58** | 6258-AKU | 2x3 | Core 2 Duo E7400 | 2.80 | 2 | 1GB | 160GB | DVD | GMA | VGA, DP | | ES50 | No | XP Pro | | Feb 09 |
| ✂ **M58** | 6258-AMU | 2x3 | Core 2 Duo E7400 | 2.80 | 2 | 2GB | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | | Feb 09 |
| ✂ **M58** | 6258-APU | 2x3 | Core 2 Duo E7400 | 2.80 | 2 | 2GB | 250GB | DVD±RW | ***3470*** | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | | Feb 09 |
| ✂ **M58** | 6258-ALU | 2x3 | Core 2 Duo E7500 | 2.93 | 2 | 1GB | 160GB | DVD | GMA | VGA, DP | | ES50 | No | XP Pro | | Feb 09 |
| **M58** | 6258-ANU | 2x3 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | | Feb 09 |
| ✂ **M58** | 6258-AQU | 2x3 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB | DVD±RW | ***3470*** | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | | Feb 09 |
| ✂ **M58** | 6258-ASU | 2x3 | Pentium E5300 | 2.60 | 2 | 1GB | 160GB | DVD | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | Bus32 | | Apr 09 |
| ✂ **M58** | 6258-ARU | 2x3 | Core 2 Duo E7400 | 2.80 | 2 | *2GB* | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | Bus32 | Gbl | Feb 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor E5300** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7400** or **E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket |
| Memory | **1GB** or **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | *Some:* **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (*XP Pro*: up to 512MB *[1GB models]*, 1GB *[2GB models]*; *Vista*: up to 253MB *[1GB model]*, 765MB *[2GB model]*), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display<br>*Some:* **ATI™ Radeon™ HD 3470**, PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™, 25 watts |
| DP dongle | *Some:* DisplayPort to Single-link DVI-D Cable |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16*
Slot 2: Low Profile, 32-bit PCI 2.3

* used in some models

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

| | |
|---|---|
| SATA disk | **160GB** or **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors on planar |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

### Security

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR 5.0-compliant
GREENGUARD® certified
RoHS-compliant

### Preloaded operating system[20]

- *Some:* Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)
- *Some:* Genuine Windows Vista Business 32

✧ *Vista models:* Vista Premium logo

**Preloaded applications**[5] (all OSes; only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage System Update
- ThinkVantage Power Manager (Vista)
- McAfee® VirusScan® Plus (30-day)
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

### Accessories

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1]

See footnotes for important warranty information
US models announced January 20 or April 7, 2009
✂ US models withdrawn effective October or December 2009

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# ThinkCentre® M58 Small (6258) - ES 5.0 (XP with Win 7 License)

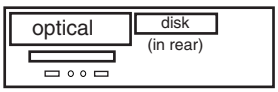


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58** | 6258-B1U | 2x3 | Pentium E6300 | 2.80 | 2 | 1GB | 250GB[2] | DVD | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | No | Oct 09 |
| **M58** | 6258-AWU | 2x3 | Pentium E6300 | 2.80 | 2 | 2GB | 250GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | No | Oct 09 |
| **M58** | 6258-AVU | 2x3 | Core 2 Quad Q8400 | 2.66 | 4 | 2GB | 250GB | DVD±RW | GMA | VGA, DP | | ES50 | No | XP Pro | No | Oct 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor E6300** with **dual-core**, Virtualization Technology, 1066MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Quad Processor Q8400** with **quad-core**, Virtualization Technology, 1333MHz system bus, and 4MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB** or **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 512MB *[1GB models]*, 1GB *[2GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| DP dongle | *Some:* DisplayPort to Single-link DVI-D Cable |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors on planar |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1]

See footnotes for important warranty information
US models announced October 22, 2009

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# ThinkCentre® M58 Small (7638) - GMP (August 2009)

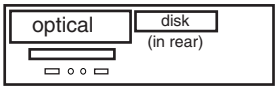


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | DisplayPort dongle | Intel vPro | Vista preload | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58** | 7638-A2U | 2x3 | Core 2 Duo E7500 | 2.93 | 2 | 1GB | 160GB[2] | DVD | GMA | VGA, DP | None | None | Bus32 | G P | Aug 09 |

- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in FC-LGA8 package in LGA775 socket |
| Memory | **1GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 253MB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD | DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, two diagnostic LEDs |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

**Preloaded operating system**[20]

- Genuine Windows® Vista® Business 32
- ✧ Vista Premium logo

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Corel® WinDVD® (DVD)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus™ part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**



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# ThinkCentre® M58 Tower (9960) - TopSeller (XP with Win 7 License)



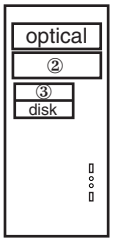
| | Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | DisplayPort dongle | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **M58** | 9960-AKU | 4x4 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | None | XP Pro | None | Nov 09 |
| ☞ | **M58** | 9960-ANU | 4x4 | Core 2 Quad Q9500 | 2.83 | 4 | *4GB* | 320GB | DVD±RW | GMA | VGA, DP | None | None | XP Pro | None | Mar 10 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q9500** with **quad-core**, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB** or **4GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch, two diagnostic LEDs |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length,full-height, PCIe x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information

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☞ US model announced February 23, 2010; previous models on November 3, 2009

# ThinkCentre® M58 Tower (9960) - TopSeller (Windows 7)

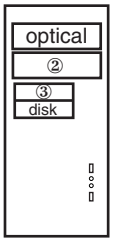
| | Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | DisplayPort dongle | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **M58** | 9960-ALU | 4x4 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | None | Pro 32 | None | Jan 10 |
| ☞ | **M58** | 9960-APU | 4x4 | Core 2 Quad Q9500 | 2.83 | 4 | *4GB* | 320GB | DVD±RW | GMA | VGA, DP | None | None | Pro 32 | None | Mar 10 |
| ☞ | **M58** | 9960-AMU | 4x4 | Core 2 Duo E7500 | 2.93 | 2 | *4GB* | 320GB | DVD±RW | GMA | VGA, DP | None | None | Pro 64 | None | Mar 10 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q9500** with **quad-core**, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB** or **4GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB *[2GB models]* or 1759MB *[4GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch, two diagnostic LEDs |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length,full-height, PCIe x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- *Some:* Genuine Windows® 7 Professional 32
- *Some:* Genuine Windows 7 Professional 64

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information

☞ US models announced February 23, 2010; previous model on January 12, 2010

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# ThinkCentre® M58 Tower (7373) - January 2009

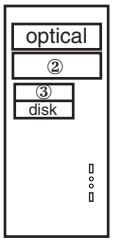
| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | DisplayPort dongle | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ✂ **M58** | 7373-D3U | 4x4 | Pentium E5300 | 2.60 | 2 | 1GB | 160GB[2] | DVD | GMA | VGA, DP | | None | XP Pro | | Apr 09 |
| **M58** | 7373-BTU | 4x4 | Pentium E5300 | 2.60 | 2 | 2GB | 160GB | DVD±RW | GMA | VGA, DP | | None | XP Pro | | Feb 09 |
| ✂ **M58** | 7373-BUU | 4x4 | Core 2 Duo E7400 | 2.80 | 2 | 1GB | 160GB | DVD | GMA | VGA, DP | | None | XP Pro | | Feb 09 |
| ✂ **M58** | 7373-BWU | 4x4 | Core 2 Duo E7400 | 2.80 | 2 | 2GB | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | None | XP Pro | | Feb 09 |
| **M58** | 7373-BVU | 4x4 | Core 2 Duo E7500 | 2.93 | 2 | 1GB | 160GB | DVD | GMA | VGA, DP | | None | XP Pro | | Feb 09 |
| **M58** | 7373-D1U | 4x4 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | None | XP Pro | | Feb 09 |
| ✂ **M58** | 7373-D2U | 4x4 | Core 2 Duo E7400 | 2.80 | 2 | *2GB* | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | None | Bus32 | Gbl | Feb 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor E5300** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7400** or **E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket |
| Memory | **1GB** or **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (*XP Pro models*: up to 512MB *[1GB models]*, 1GB *[2GB models]*; *Vista models*: up to 765MB *[2GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| DP dongle | *Some:* DisplayPort to Single-link DVI-D Cable |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch, two diagnostic LEDs |

### Tower

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length,full-height, PCIe x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

### Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

### Preloaded operating system[20]

- *Some:* Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)
- *Some:* Genuine Windows Vista Business 32

✧ *Vista models:* Vista Premium logo

### Preloaded applications[5] (all OSes)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager (Vista)
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

### Accessories

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 20 or April 7, 2009
✂ US models withdrawn effective October or December 2009

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# ThinkCentre® M58 Tower (7373) - XP with Win 7 License

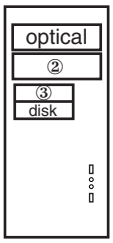
| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | DisplayPort dongle | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58** | 7373-E5U | 4x4 | Pentium E6300 | 2.80 | 2 | 1GB | 250GB[2] | DVD | GMA | VGA, DP | | None | XP Pro | | Nov 09 |
| **M58** | 7373-E6U | 4x4 | Pentium E6300 | 2.80 | 2 | 2GB | 250GB | DVD±RW | GMA | VGA, DP | | None | XP Pro | | Nov 09 |
| ✂ **M58** | 7373-E7U | 4x4 | Pentium E6300 | 2.80 | 2 | 2GB | 250GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | None | XP Pro | Educ | Nov 09 |
| **M58** | 7373-E4U | 4x4 | Core 2 Quad Q8400 | 2.66 | 4 | 2GB | 320GB | DVD±RW | GMA | VGA, DP | | None | XP Pro | | Nov 09 |
| **M58** | 7373-E3U | 4x4 | Core 2 Quad Q8400 | 2.66 | 4 | 2GB | 320GB | DVD±RW | ***3470*** | VGA, DP | DP-to-DVI-D | None | XP Pro | | Nov 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor E6300** with **dual-core**, Virtualization Technology, 1066MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Quad Processor Q8400** with **quad-core**, Virtualization Technology, 1333MHz system bus, and 4MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB** or **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | *Some:* **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 512MB *[1GB models]*, 1GB *[2GB models]*), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display<br>*Some:* **ATI™ Radeon™ HD 3470**, PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™, 25 watts |
| DP dongle | *Some:* DisplayPort to Single-link DVI-D Cable |
| SATA disk | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch, two diagnostic LEDs |

### Tower

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x16 (75w max)*
Slot 2: half-length,full-height, PCIe x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

* used in some models

### Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

### Preloaded operating system[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

### Preloaded applications[5] (only some listed)

- *Some:* Education software
  - VitalSource™ Library School Edition
  - Adobe® Elements
    - Photoshop Elements 6
    - Premiere Elements 4
- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

### Accessories

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced October 22, 2009
✂ US model withdrawn effective December 2009

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# ThinkCentre® M58 Tower (7373) - Windows 7

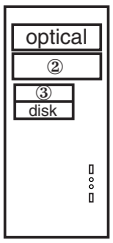
| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | DisplayPort dongle | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58** | 7373-EGU | 4x4 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | None | Pro 32 | None | Jan 10 |

- ***This model has a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| DP dongle | DisplayPort to Single-link DVI-D Cable |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch, two diagnostic LEDs |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length,full-height, PCIe x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5]

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

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**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced December 15, 2009

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# ThinkCentre® M58 Tower (9728) - ES 5.0 (XP with Win 7 License)



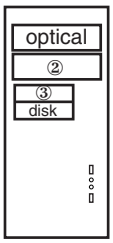
| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58** | 9728-A6U | 4x4 | Pentium E6300 | 2.80 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | | ES50 | No | XP Pro | No | Oct 09 |
| **M58** | 9728-A7U | 4x4 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | No | Oct 09 |
| **M58** | 9728-A8U | 4x4 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB | DVD±RW | ***3470*** | VGA, DP | DP-to-DVI-D | ES50 | No | XP Pro | No | Oct 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor E6300** with **dual-core**, Virtualization Technology, 1066MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7500** with **dual-core**, Virtualization Technology, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | *Some:* **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display<br>*Some:* **ATI™ Radeon™ HD 3470**, PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™**,** 25 watts |
| DP dongle | *Some:* DisplayPort to Single-link DVI-D Cable |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x16 (75w max)*
Slot 2: half-length,full-height, PCIe x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

* used in some models

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**



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# ThinkCentre® M58 Tower (9728) - ENERGY STAR® 5.0 (Windows 7)



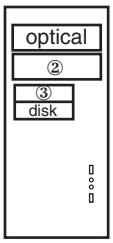
| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58** | 9728-A5U | 4x4 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | ES50 | No | Pro 32 | Gbl | Oct 09 |

- ***This model has a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E7500** with **dual-core**, Virtualization Technology, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length,full-height, PCIe x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced October 22, 2009

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# ThinkCentre® M58 Tower (7639) - GMP (Windows 7)

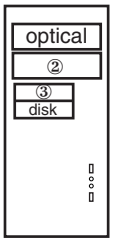
| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | DisplayPort dongle | Intel vPro | Win 7 preload | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58** | 7639-A1U | 4x4 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | None | Pro 32 | G P | Nov 09 |

- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length,full-height, PCIe x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

| | |
|---|---|
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | None |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch, two diagnostic LEDs |

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced November 3, 2009

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# ThinkCentre® M58p Eco Ultra Small (9961) - TopS (XP with Win 7 License)

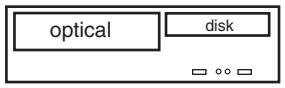
*Personal Systems Reference (PSREF)*

| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 9961-AKU | 1x2 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | ES50 | vPro | XP Pro | No | Nov 09 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***This small and medium business (SMB) model is part of the US TopSeller™ Program***
- ***This model has a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 10.8" W X 9.4" D X 3.1" H
- 275mm W X 238mm D X 80mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - security slot and cover release button are combined into one latch for improved chassis security
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Individual USB port disablement

Supports ThinkVantage® technologies

EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 SODIMM (notebook) | 43R1987 |
| 2GB PC3-8500 DDR3 SODIMM (notebook) | 43R1988 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced November 3, 2009

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(MLAN4-14) November 2009

# ThinkCentre® M58p Eco Ultra Small (9961) - TopSeller (Windows 7)

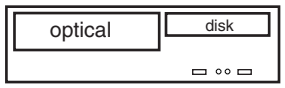


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 9961-ALU | 1x2 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | ES50 | vPro | Pro 32 | No | Jan 10 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***This small and medium business (SMB) model is part of the US TopSeller™ Program***
- ***This model has a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 10.8" W X 9.4" D X 3.1" H
- 275mm W X 238mm D X 80mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - security slot and cover release button are combined into one latch for improved chassis security
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Individual USB port disablement

Supports ThinkVantage® technologies

EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 SODIMM (notebook) | 43R1987 |
| 2GB PC3-8500 DDR3 SODIMM (notebook) | 43R1988 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced January 12, 2010

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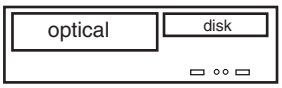
# ThinkCentre® M58p Eco Ultra Small (7479)

| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Vista preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 7479-A4U | 1x2 | Core 2 Duo E8400 | 3.00 | 2 | 1GB | 160GB[2] | DVD | GMA | VGA, DP | | ES50 | vPro | Bus32 | No | Dec 08 |
| ✂ **M58p** | 7479-A3U | 1x2 | Core 2 Duo E8400 | 3.00 | 2 | 1GB | 250GB | DVD±RW | GMA | VGA, DP | | ES50 | vPro | Bus32 | No | Dec 08 |
| **M58p** | 7479-A6U | 1x2 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 160GB | DVD±RW | GMA | VGA, DP | | ES50 | vPro | Bus32 | No | Dec 08 |
| **M58p** | 7479-A8U | 1x2 | Core 2 Duo E8400 | 3.00 | 2 | *2GB* | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | vPro | Bus32 | No | Dec 08 |
| ✂ **M58p** | 7479-A9U | 1x2 | Core 2 Duo E8500 | 3.16 | 2 | 1GB | 160GB | DVD | GMA | VGA, DP | | ES50 | vPro | Bus32 | No | Dec 08 |
| **M58p** | 7479-ABU | 1x2 | Core 2 Duo E8500 | 3.16 | 2 | *2GB* | 160GB | DVD±RW | GMA | VGA, DP | | ES50 | vPro | Bus32 | No | Dec 08 |
| **M58p** | 7479-ACU | 1x2 | Core 2 Duo E8500 | 3.16 | 2 | *2GB* | 250GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | vPro | Bus32 | No | Dec 08 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***These models have a 3-year limited warranty[1]***

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** or **E8500** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA8 package in LGA775 socket |
| Memory | **1GB** or **2GB std**, 4GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); *Italics:* standard memory in both sockets; no sockets available; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 253MB *[1GB models]*, 765MB *[2GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| DP dongle | *Some:* DisplayPort to Single-link DVI-D Cable |
| SATA disk | **160GB** or **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 10.8" W X 9.4" D X 3.1" H
- 275mm W X 238mm D X 80mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - security slot and cover release button are combined into one latch for improved chassis security
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Individual USB port disablement

Supports ThinkVantage® technologies

EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system[20]**

- Genuine Windows® Vista® Business 32
✧ Vista Premium logo

**Preloaded applications[5]**

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 SODIMM (notebook) | 43R1987 |
| 2GB PC3-8500 DDR3 SODIMM (notebook) | 43R1988 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

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Other accessories at **lenovo.com**/accessories

**Limited Warranty[1]**

- **3-year parts and labor**
- **International Warranty Service[9]**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):[7]**
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
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- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day[14] toll-free support during the warranty period[1] via 800-426-7378**

See footnotes for important warranty information
US models announced November 11, 2008
✂ US models withdrawn effective December 2009

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# ThinkCentre® M58p Eco Ultra Small (7479) - April 2009

| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 7479-AJU | 1x2 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 160GB[2] | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | vPro | XP Pro | No | Apr 09 |
| **M58p** | 7479-AKU | 1x2 | Core 2 Duo E8500 | 3.16 | 2 | 2GB | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | vPro | XP Pro | No | Apr 09 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** or **E8500** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA8 package in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| DP dongle | DisplayPort to Single-link DVI-D Cable |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
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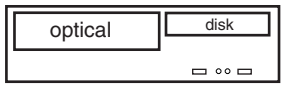
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**

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Supports ThinkVantage® technologies

EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 SODIMM (notebook) | 43R1987 |
| 2GB PC3-8500 DDR3 SODIMM (notebook) | 43R1988 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
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| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
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See footnotes for important warranty information
US models announced April 7, 2009

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# ThinkCentre® M58p Eco Ultra Small (7479) - Windows 7



| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 7479-B9U | 1x2 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | vPro | Pro 32 | None | Jan 10 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***This model has a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
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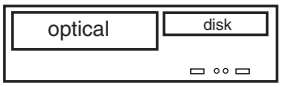
| DP dongle | DisplayPort to Single-link DVI-D Cable |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 10.8" W X 9.4" D X 3.1" H
- 275mm W X 238mm D X 80mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - security slot and cover release button are combined into one latch for improved chassis security
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Individual USB port disablement

Supports ThinkVantage® technologies

EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5]

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 SODIMM (notebook) | 43R1987 |
| 2GB PC3-8500 DDR3 SODIMM (notebook) | 43R1988 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced December 15, 2009

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# ThinkCentre® M58p Eco Ultra Small (6136) - GMP

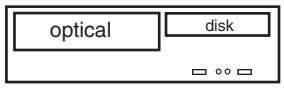


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Vista preload | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 6136-A1U | 1x2 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 160GB[2] | DVD±RW | GMA | VGA, DP | None | ES50 | vPro | Bus32 | G P | Dec 08 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA8 package in LGA775 socket |
| Memory | **2GB std**, 4GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 10.8" W X 9.4" D X 3.1" H
- 275mm W X 238mm D X 80mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - security slot and cover release button are combined into one latch for improved chassis security
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Individual USB port disablement
- Chassis intrusion switch

Supports ThinkVantage® technologies

EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® Vista® Business 32
- ✧ Vista Premium logo

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 SODIMM (notebook) | 43R1987 |
| 2GB PC3-8500 DDR3 SODIMM (notebook) | 43R1988 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus™ part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced November 11, 2008

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# ThinkCentre® M58p Small (9964) - TopSeller (XP with Win 7 License)

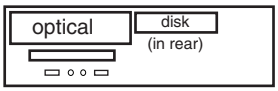


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | DisplayPort dongle | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 9964-A7U | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | vPro | XP Pro | None | Nov 09 |
| **M58p** | 9964-A8U | 2x3 | Core 2 Quad Q9400 | 2.66 | 4 | *4GB* | 320GB | DVD±RW | GMA | VGA, DP | None | vPro | XP Pro | None | Nov 09 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache or **Intel Core 2 Quad Processor Q9400** with **quad-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB** or **4GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors on planar |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, two diagnostic LEDs |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**



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# ThinkCentre® M58p Small (9964) - TopSeller (Windows 7)

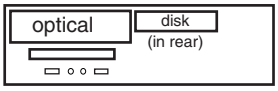


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | DisplayPort dongle | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 9964-ABU | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | vPro | Pro 32 | None | Jan 10 |
| **M58p** | 9964-ACU | 2x3 | Core 2 Quad Q9400 | 2.66 | 4 | *4GB* | 320GB | DVD±RW | GMA | VGA, DP | None | vPro | Pro 32 | None | Jan 10 |
| ☞ **M58p** | 9964-ADU | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | *4GB* | 320GB | DVD±RW | GMA | VGA, DP | None | vPro | Pro 64 | None | Mar 10 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache or **Intel Core 2 Quad Processor Q9400** with **quad-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB** or **4GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB *[2GB models]* or 1759MB *[4GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

| | |
|---|---|
| SATA disk | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors on planar |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, two diagnostic LEDs |

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- *Some:* Genuine Windows® 7 Professional 32
- *Some:* Genuine Windows 7 Professional 64

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information

☞ US model announced February 23, 2010; previous models on January 12, 2010

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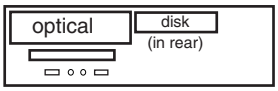
# ThinkCentre® M58p Small (7483)

| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | Chassis intr switch | Intel vPro | Vista preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 7483-AEU | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | 1GB | 160GB[2] | DVD | GMA | VGA, DP | | | vPro | Bus32 | | Nov 08 |
| **M58p** | 7483-AFU | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | 1GB | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | | vPro | Bus32 | | Nov 08 |
| ✂ **M58p** | 7483-A7U | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | 1GB | 250GB | DVD±RW | GMA | VGA, DP | | Switch | vPro | Bus32 | | Nov 08 |
| **M58p** | 7483-ACU | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | *2GB* | 160GB | DVD±RW | GMA | VGA, DP | | | vPro | Bus32 | | Nov 08 |
| ✂ **M58p** | 7483-AGU | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | *2GB* | 160GB | DVD±RW | GMA | VGA, DP | | | vPro | Bus32 | Educ | Nov 08 |
| **M58p** | 7483-AHU | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | *2GB* | 250GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | | vPro | Bus32 | | Nov 08 |
| ✂ **M58p** | 7483-AJU | 2x3 | Core 2 Duo E8500 | 3.16 | 2 | 1GB | 250GB | DVD | GMA | VGA, DP | | | vPro | Bus32 | | Nov 08 |
| **M58p** | 7483-AKU | 2x3 | Core 2 Duo E8500 | 3.16 | 2 | *2GB* | 160GB | DVD | ***3470*** | VGA, DP | DP-to-DVI-D | | vPro | Bus32 | | Nov 08 |
| ✂ **M58p** | 7483-ALU | 2x3 | Core 2 Duo E8500 | 3.16 | 2 | *2GB* | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | | vPro | Bus32 | | Nov 08 |
| **M58p** | 7483-AMU | 2x3 | Core 2 Duo E8500 | 3.16 | 2 | *2GB* | 250GB | DVD±RW | ***3470*** | VGA, DP | DP-to-DVI-D | | vPro | Bus32 | | Nov 08 |
| **M58p** | 7483-ANU | 2x3 | Core 2 Quad Q9400 | 2.66 | 4 | *2GB* | 160GB | DVD±RW | ***3470*** | VGA, DP | DP-to-DVI-D | | vPro | Bus32 | | Nov 08 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***These models have a 3-year limited warranty[1]***

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** or **E8500** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache or **Intel Core 2 Quad Processor Q9400** with **quad-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA8 package in LGA775 socket |
| Memory | **1GB** or **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | *Some:* **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 253MB *[1GB models]*, 765MB *[2GB models]*), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display<br>*Some:* **ATI™ Radeon™ HD 3470**, PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™, 25 watts |
| DP dongle | *Some:* DisplayPort to Single-link DVI-D Cable |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16*
Slot 2: Low Profile, 32-bit PCI 2.3

* used in some models

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

| | |
|---|---|
| SATA disk | **160GB** or **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors on planar |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, two diagnostic LEDs |

### Security

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement
- *Some:* Chassis intrusion switch

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service[9]**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):[7]**
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day[14] toll-free support during the warranty period[1] via 800-426-7378**

### Preloaded operating system[20]

- Genuine Windows® Vista® Business 32
- ✧ Vista Premium logo

### Preloaded applications[5] (only some listed)

- *Some:* Education software
  - VitalSource™ Library School Edition
  - Adobe® Elements
    - Photoshop Elements 6
    - Premiere Elements 4
- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

### Accessories

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

See footnotes for important warranty information
US models announced October 21, 2008
✂ US models withdrawn effective December 2009

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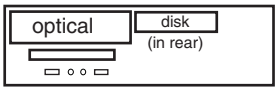
# ThinkCentre® M58p Small (7483) - April 2009

| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 7483-B1U | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 160GB[2] | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | vPro | XP Pro | None | Apr 09 |
| **M58p** | 7483-B2U | 2x3 | Core 2 Duo E8500 | 3.16 | 2 | 2GB | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | vPro | XP Pro | None | Apr 09 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** or **E8500** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA8 package in LGA775 socket |
| Memory | **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| DP dongle | DisplayPort to Single-link DVI-D Cable |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, two diagnostic LEDs |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced April 7, 2009

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# ThinkCentre® M58p Small (7483) - Windows 7

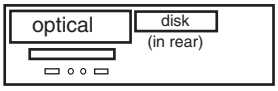


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 7483-BRU | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | vPro | Pro 32 | None | Jan 10 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***This model has a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| DP dongle | DisplayPort to Single-link DVI-D Cable |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, two diagnostic LEDs |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5]

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**



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# ThinkCentre® M58p Small (7220) - ENERGY STAR® 5.0

| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Vista preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 7220-A6U | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | 1GB | 160GB[2] | DVD | GMA | VGA, DP | | ES50 | vPro | Bus32 | No | Nov 08 |
| **M58p** | 7220-A7U | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | *2GB* | 250GB | DVD | ***3470*** | VGA, DP | DP-to-DVI-D | ES50 | vPro | Bus32 | No | Nov 08 |
| **M58p** | 7220-A8U | 2x3 | Core 2 Duo E8500 | 3.16 | 2 | 1GB | 250GB | DVD | GMA | VGA, DP | | ES50 | vPro | Bus32 | No | Nov 08 |
| ✂ **M58p** | 7220-A9U | 2x3 | Core 2 Duo E8500 | 3.16 | 2 | *2GB* | 250GB | DVD | ***3470*** | VGA, DP | DP-to-DVI-D | ES50 | vPro | Bus32 | No | Nov 08 |
| **M58p** | 7220-ABU | 2x3 | Core 2 Duo E8500 | 3.16 | 2 | *2GB* | 250GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | vPro | Bus32 | No | Nov 08 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***These models have a 3-year limited warranty[1]***

Positioning: *Ultimate security, stability, and manageability for the enterprise*

Processor: **Intel® Core™ 2 Duo Processor E8400** or **E8500** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache

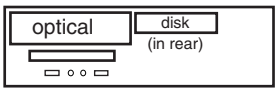
Implementation: Processor in FC-LGA8 package in LGA775 socket

Memory: **1GB** or **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets;
*Italics:* standard memory in two sockets; two sockets available;
*Non-italics:* standard memory in one socket; 3 sockets available

Graphics:
*Some:* **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 253MB *[1GB models]*, 765MB *[2GB models]*), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display
*Some:* **ATI™ Radeon™ HD 3470**, PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™, 25 watts

DP dongle: *Some:* DisplayPort to Single-link DVI-D Cable

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16*
Slot 2: Low Profile, 32-bit PCI 2.3

* used in some models

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

SATA disk: **160GB** or **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening
SATA controller: Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1
SATA DVD: *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive
SATA DVD±RW: *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA cables: Two SATA cables (each 1-drop to device), two SATA connectors on planar
eSATA port: One external SATA (eSATA) port
Diskette drive: None
Media reader: None

Chipset: **Intel Q45 Express Chipset** (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O

Front ports: Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports: Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA
Internal connector: Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)
Rear audio ports: Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
Audio: High Definition (HD) Audio, Analog Devices AD1882 codec
Speaker: One internal speaker for business audio
Ethernet: Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0
Intel AMT: Intel Active Management Technology (iAMT)
Modem: None
Security chip: Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant

Keyboard: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo
Mouse: Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo
Power supply: 280 watts with variable speed fan, autosensing, 85% PSU

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system[20]**

- Genuine Windows® Vista® Business 32
✧ Vista Premium logo

**Preloaded applications[5]**

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty[1]**

- **3-year parts and labor**
- **International Warranty Service[9]**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):[7]**
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day[14] toll-free support during the warranty period[1] via 800-426-7378**

See footnotes for important warranty information
US models announced October 21, 2008
✂ US model withdrawn effective December 2009

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# ThinkCentre® M58p Small (7220) - ENERGY STAR® 5.0 (April 2009)

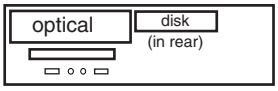


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 7220-AGU | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 160GB[2] | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | vPro | XP Pro | No | Apr 09 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***This model has a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA8 package in LGA775 socket |
| Memory | **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| DP dongle | DisplayPort to Single-link DVI-D Cable |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced April 7, 2009

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# ThinkCentre® M58p Small (6137) - GMP

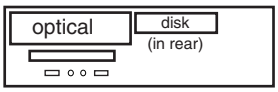


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | Chassis intr switch | Intel vPro | Vista preload | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 6137-A2U | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | *2GB* | 160GB[2] | DVD | GMA | VGA, DP | None | | vPro | Bus32 | G P | Jan 09 |
| **M58p** | 6137-A1U | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | *2GB* | 160GB | DVD±RW | GMA | VGA, DP | None | Switch | vPro | Bus32 | G P | Nov 08 |
| ☞ **M58p** | 6137-A3U | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | *3GB* | 160GB | DVD | GMA | VGA, DP | None | Switch | vPro | Bus32 | G P | Mar 09 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***These models are part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA8 package in LGA775 socket |
| Memory | **2GB** or **3GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB *[2GB models]*, 1277MB *[3GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, two diagnostic LEDs |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement
- *Some:* Chassis intrusion switch

**Preloaded operating system**[20]

- Genuine Windows® Vista® Business 32
✧ Vista Premium logo

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus™ part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information

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# ThinkCentre® M58p Small (6234) - ENERGY STAR® 5.0 (GMP)

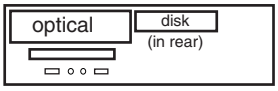


| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Vista preload | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 6234-A1U | 2x3 | Core 2 Duo E8400 | 3.00 | 2 | *2GB* | 160GB[2] | DVD±RW | GMA | VGA, DP | None | ES50 | vPro | Bus32 | G P | Nov 08 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA8 package in LGA775 socket |
| Memory | **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors |
| eSATA port | One external SATA (eSATA) port |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement
- Chassis intrusion switch

**Preloaded operating system**[20]

- Genuine Windows® Vista® Business 32
- ✧ Vista Premium logo

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB FX 370 LP | 55Y9275 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

Supports ThinkVantage® technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus™ part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**



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# ThinkCentre® M58p Tower (9965) - TopSeller (XP with Win 7 License)



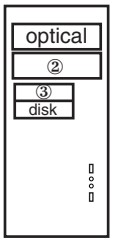
| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | DisplayPort dongle | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 9965-A6U | 4x4 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | vPro | XP Pro | None | Nov 09 |
| **M58p** | 9965-A7U | 4x4 | Core 2 Quad Q9400 | 2.66 | 4 | *4GB* | 320GB | DVD±RW | GMA | VGA, DP | None | vPro | XP Pro | None | Nov 09 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache or **Intel Core 2 Quad Processor Q9400** with **quad-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB** or **4GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch, two diagnostic LEDs |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe x1
Slot 3: half-length, full-height, 32-bit PCI 2.3
Slot 4: half-length, full-height, 32-bit PCI 2.3

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**



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# ThinkCentre® M58p Tower (9965) - TopSeller (Windows 7)

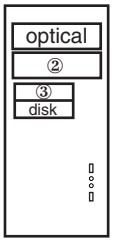
| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | DisplayPort dongle | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 9965-A9U | 4x4 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | vPro | Pro 32 | None | Jan 10 |
| **M58p** | 9965-ABU | 4x4 | Core 2 Quad Q9400 | 2.66 | 4 | *4GB* | 320GB | DVD±RW | GMA | VGA, DP | None | vPro | Pro 32 | None | Jan 10 |
| ☞ **M58p** | 9965-ACU | 4x4 | Core 2 Duo E8400 | 3.00 | 2 | *4GB* | 320GB | DVD±RW | GMA | VGA, DP | None | vPro | Pro 64 | None | Mar 10 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty[1]***

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache or **Intel Core 2 Quad Processor Q9400** with **quad-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB** or **4GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB *[2GB models]* or 1759MB *[4GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch, two diagnostic LEDs |

### Tower

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length,full-height, PCIe x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

### Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

### Preloaded operating system[20]

- *Some:* Genuine Windows® 7 Professional 32
- *Some:* Genuine Windows 7 Professional 64

### Preloaded applications[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

### Accessories

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service[9]**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):[7]**
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day[14] toll-free support during the warranty period[1] via 800-426-7378**

See footnotes for important warranty information

☞ US model announced February 23, 2010; previous models on January 12, 2010

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# ThinkCentre® M58p Tower (7484)

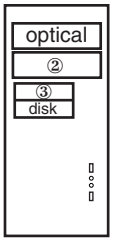
| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | Chassis intr switch | Intel vPro | Vista preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 7484-A9U | 4x4 | Core 2 Duo E8400 | 3.00 | 2 | 1GB | 160GB[2] | DVD | GMA | VGA, DP | | | vPro | Bus32 | | Nov 08 |
| **M58p** | 7484-AHU | 4x4 | Core 2 Duo E8400 | 3.00 | 2 | 1GB | 160GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | | vPro | Bus32 | | Nov 08 |
| **M58p** | 7484-AEU | 4x4 | Core 2 Duo E8400 | 3.00 | 2 | *2GB* | 160GB | DVD±RW | GMA | VGA, DP | | | vPro | Bus32 | | Nov 08 |
| ✂ **M58p** | 7484-AGU | 4x4 | Core 2 Duo E8400 | 3.00 | 2 | *2GB* | 250GB | DVD | ***3470*** | VGA, DP | DP-to-DVI-D | | vPro | Bus32 | | Nov 08 |
| **M58p** | 7484-A8U | 4x4 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 250GB | DVD±RW | GMA | VGA, DP | | Switch | vPro | Bus32 | | Nov 08 |
| ✂ **M58p** | 7484-AJU | 4x4 | Core 2 Duo E8500 | 3.16 | 2 | 1GB | 160GB | DVD | GMA | VGA, DP | | | vPro | Bus32 | | Nov 08 |
| ✂ **M58p** | 7484-AMU | 4x4 | Core 2 Duo E8500 | 3.16 | 2 | *2GB* | 160GB | DVD±RW | GMA | VGA, DP | | | vPro | Bus32 | Educ | Nov 08 |
| ✂ **M58p** | 7484-ALU | 4x4 | Core 2 Duo E8500 | 3.16 | 2 | *2GB* | 250GB | DVD | GMA | VGA, DP | | | vPro | Bus32 | | Nov 08 |
| **M58p** | 7484-AKU | 4x4 | Core 2 Duo E8500 | 3.16 | 2 | *2GB* | 250GB | DVD | ***3470*** | VGA, DP | DP-to-DVI-D | | vPro | Bus32 | | Nov 08 |
| **M58p** | 7484-ANU | 4x4 | Core 2 Quad Q9400 | 2.66 | 4 | *2GB* | 160GB | DVD±RW | ***3470*** | VGA, DP | DP-to-DVI-D | | vPro | Bus32 | | Nov 08 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** or **E8500** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache or **Intel Core 2 Quad Processor Q9400** with **quad-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA8 package in LGA775 socket |
| Memory | **1GB** or **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | *Some:* **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 253MB *[1GB models]*, 765MB *[2GB models]*), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display<br>*Some:* **ATI™ Radeon™ HD 3470**, PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™**,** 25 watts |
| DP dongle | *Some:* DisplayPort to Single-link DVI-D Cable |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x16 (75w max)*
Slot 2: half-length,full-height, PCIe x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

* used in some models

| | |
|---|---|
| SATA disk | **160GB** or **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch, two diagnostic LEDs |

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement
- *Some:* Chassis intrusion switch

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® Vista® Business 32
- ✧ Vista Premium logo

**Preloaded applications**[5] (only some listed)

- *Some:* Education software
  - VitalSource™ Library School Edition
  - Adobe® Elements
    - Photoshop Elements 6
    - Premiere Elements 4
- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **Other ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced October 21, 2008
✂ US models withdrawn effective December 2009

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# ThinkCentre® M58p Tower (7484) - April 2009

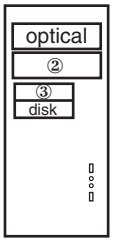
| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | Intel vPro | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 7484-B2U | 4x4 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 160GB[2] | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | vPro | XP Pro | None | Apr 09 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***This model has a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA8 package in LGA775 socket |
| Memory | **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| DP dongle | DisplayPort to Single-link DVI-D Cable |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch, two diagnostic LEDs |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length,full-height, PCIe x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced April 7, 2009

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# ThinkCentre® M58p Tower (7484) - Windows 7

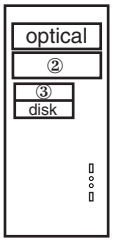
| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 7484-D1U | 4x4 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | vPro | Pro 32 | None | Jan 10 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***This model has a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display |
| DP dongle | DisplayPort to Single-link DVI-D Cable |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch, two diagnostic LEDs |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length,full-height, PCIe x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5]

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced December 15, 2009

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# ThinkCentre® M58p Tower (3063) - ES 5.0 (XP with Win 7 License)



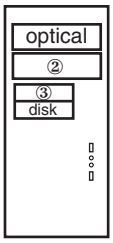
| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Global Preload | Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 3063-B6U | 4x4 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 320GB[2] | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | vPro | XP Pro | No | Oct 09 |
| **M58p** | 3063-B7U | 4x4 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 320GB | DVD±RW | ***3470*** | VGA, DP | DP-to-DVI-D | ES50 | vPro | XP Pro | No | Oct 09 |
| **M58p** | 3063-B9U | 4x4 | Core 2 Duo E8500 | 3.16 | 2 | 2GB | 320GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | vPro | XP Pro | No | Oct 09 |
| **M58p** | 3063-B8U | 4x4 | Core 2 Duo E8500 | 3.16 | 2 | 2GB | 320GB | DVD±RW | ***3470*** | VGA, DP | DP-to-DVI-D | ES50 | vPro | XP Pro | No | Oct 09 |
| **M58p** | 3063-BBU | 4x4 | Core 2 Quad Q9400 | 2.66 | 4 | *4GB* | 320GB | DVD±RW | GMA | VGA, DP | DP-to-DVI-D | ES50 | vPro | XP Pro | No | Oct 09 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** or **E8500** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache or **Intel Core 2 Quad Processor Q9400** with **quad-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB** or **4GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | *Some:* **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display<br>*Some:* **ATI™ Radeon™ HD 3470**, PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™, 25 watts |
| DP dongle | DisplayPort to Single-link DVI-D Cable |
| SATA disk | **320GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)*
Slot 2: half-length, full-height, PCIe x1
Slot 3: half-length, full-height, 32-bit PCI 2.3
Slot 4: half-length, full-height, 32-bit PCI 2.3

* used in some models

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced October 22, 2009

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# ThinkCentre® M58p Tower (6138) - GMP

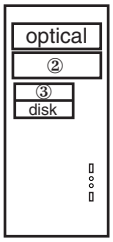
| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | DisplayPort dongle | Intel vPro | Vista preload | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 6138-A1U | 4x4 | Core 2 Duo E8400 | 3.00 | 2 | *2GB* | 160GB[2] | DVD±RW | GMA | VGA, DP | None | vPro | Bus32 | G P | Nov 08 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in FC-LGA8 package in LGA775 socket |
| Memory | **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch, two diagnostic LEDs |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length,full-height, PCIe x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement
- Chassis intrusion switch

**Preloaded operating system**[20]

- Genuine Windows® Vista® Business 32
- ✧ Vista Premium logo

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus™ part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**



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# ThinkCentre® M58p Tower (3285) - ES 5.0 (GMP) - Windows 7

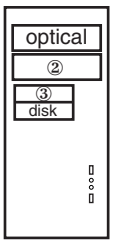
| Name | Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | DisplayPort dongle | ENERGY STAR 5.0 | Intel vPro | Win 7 preload | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M58p** | 3285-A1U | 4x4 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 250GB[2] | DVD±RW | GMA | VGA, DP | None | ES50 | vPro | Pro 32 | G P | Oct 09 |

- ***Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)***
- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ 2 Duo Processor E8400** with **dual-core**, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **2GB std**, 8GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; 3 sockets available |
| Graphics | **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q45 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Analog Devices AD1882 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 |
| Intel AMT | Intel Active Management Technology (iAMT) |
| Modem | None |
| Security chip | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Tower**

- Business black color; metal case
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe x1
Slot 3: half-length, full-height, 32-bit PCI 2.3
Slot 4: half-length, full-height, 32-bit PCI 2.3

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password (user and master)
- Boot sequence control
- Boot without diskette, keyboard
- Serial port I/O control
- Individual USB port disablement

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |
| NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 |

More accessories on O-M58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

Supports ThinkVantage® technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced October 22, 2009

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# ThinkCentre® M58, M58p Accessories

**Partial list of accessories supported on ThinkCentre M58 and M58p**

## Memory

*Eco Ultra Small 8820/7359/7637/9961/7479/6136 use notebook memory:*

| | | |
|---|---|---|
| 1GB PC3-8500 DDR3 SODIMM (notebook) | 43R1987 | *ann 08/05/08* |
| 1GB PC3-8500 DDR3 SODIMM (25-Pack) | 51J0551 | *ann 03/17/09* |
| 2GB PC3-8500 DDR3 SODIMM (notebook) | 43R1988 | *ann 08/05/08* |
| 2GB PC3-8500 DDR3 SODIMM (25-Pack) | 51J0552 | *ann 03/17/09* |
| 1GB PC3-8500 DDR3 Low-Halogen SODIMM | 55Y3706 | *ann 06/23/09* |
| 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack) | 57Y4385 | *ann 06/23/09* |
| 2GB PC3-8500 DDR3 Low-Halogen SODIMM | 55Y3707 | *ann 06/23/09* |
| 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) | 57Y4386 | *ann 06/23/09* |

*Small 8910/7360/6258/7638/9964/7483/7220/6137/6234, and Tower 9960/7373/6239/9965/7484/7188/6138/6209/3063/3285/9728/7639 use desktop memory:*

| | | |
|---|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 | *ann 11/18/08* |
| 1GB PC3-8500 DDR3 UDIMM (25-Pack) | 57Y4421 | *ann 11/10/09* |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 | *ann 11/18/08* |
| 2GB PC3-8500 DDR3 UDIMM (25-Pack) | 57Y4422 | *ann 11/10/09* |

## Optical

*All:*

| | | |
|---|---|---|
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] | 41N5618 | *ann 09/26/06* |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 | *ann 09/26/06* |

*Tower 9960/7373/6239/9965/7484/7188/6138/6209/3063/3285/9728/7639 support:*

| | | |
|---|---|---|
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 | *ann 03/31/09* |

## Storage and removable storage

| | | |
|---|---|---|
| 160GB SATA 3.0Gb/s Disk (7200 rpm) | 09N4254 | *ann 05/19/03* |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 | *ann 01/24/06* |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 | *ann 11/06/07* |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 | *ann 08/19/08* |
| USB 2.0 Essential Memory Key 4GB | 45J7904 | *ann 06/24/08* |
| USB 2.0 Essential Memory Key 8GB | 45J7905 | *ann 07/15/08* |
| USB 2.0 Essential Memory Key 32GB | 45K1258 | *ann 10/28/08* |
| USB 2.0 Ultra Secure Memory Key 1GB | 45J5915 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 2GB | 45J5916 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 4GB | 45J5917 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 8GB | 45J5918 | *ann 08/26/08* |
| USB 2.0 Portable 320GB Hard Disk | 45K1689 | *ann 03/17/09* |
| USB 2.0 Portable 500GB Hard Disk | 45K1690 | *ann 05/26/09* |
| USB 2.0 Portable Secure 160GB Hard Disk | 43R2018 | *ann 11/18/08* |
| USB 2.0 Portable Secure 320GB Hard Disk | 43R2019 | *ann 11/18/08* |
| eSATA/USB 2.0 Secure 500GB Hard Drive | 57Y4400 | *ann 01/07/10* |
| USB 2.0 Super Multi-Burner Drive | 41N5565 | *ann 01/23/07* |
| USB 2.0 Portable DVD Burner | 43N3264 | *ann 01/05/10* |

## Graphics

*Small 8910/7360/6258/7638/9964/7483/7220/6137/6234 support Low Profile:*

| | | |
|---|---|---|
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 | *ann 11/06/07* |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 | *ann 11/18/08* |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 | *ann 12/18/07* |
| NVIDIA Quadro 256MB FX 370 Low-Profile | 55Y9275 | *ann 07/28/09* |
| NVIDIA GeForce® 310 DMS59 (2-DVI, 2-VGA) | 57Y4167 | *ann 03/02/10* |

*Tower 9960/7373/6239/9965/7484/7188/6138/6209/3063/3285/9728/7639 support 75 watts max:*

| | | |
|---|---|---|
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 | *ann 11/06/07* |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 | *ann 11/18/08* |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 | *ann 12/18/07* |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 | *ann 04/21/09* |
| NVIDIA GeForce 9500 GT 512MB (DP, DVI) | 45K1635 | *ann 11/18/08* |
| NVIDIA GeForce 310 DMS59 (2-DVI, 2-VGA) | 57Y4167 | *ann 03/02/10* |

More information at **www.lenovo.com/support/graphiccards**

## Keyboard

| | | |
|---|---|---|
| Preferred Pro USB Keyboard | 73P5220 | *ann 06/21/05* |
| Preferred Pro Full Size PS/2 Keyboard | 31P7415 | *ann 06/04/02* |
| Enhanced Performance USB Keyboard | 73P2620 | *ann 03/23/04* |
| Ultraslim Wireless Keyboard and Mouse[52] | 57Y4700 | *ann 09/15/09* |
| Lenovo® USB Fingerprint Keyboard | 73P4730 | *ann 02/22/05* |
| Lenovo USB Smartcard Keyboard | 51J0155 | *ann 03/24/09* |

[52] Wireless via 2.4GHz technology using a micro-size USB receiver.

More information at **www.lenovo.com/support/keyboards**

## Mouse

| | | |
|---|---|---|
| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 | *ann 05/19/09* |
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 | *ann 05/19/09* |
| Lenovo Optical Mouse (USB) | 06P4069 | *ann 05/21/03* |
| Lenovo ScrollPoint® Mouse(USB, Optical) | 31P7405 | *ann 08/27/02* |
| Lenovo Laser Mouse (USB) | 41U3074 | *ann 01/23/07* |
| Lenovo Wireless Laser Mouse - Black[52] | 45K1696 | *ann 11/25/08* |
| Lenovo Wireless Laser Mouse - Red/Black[52] | 51J0198 | *ann 11/25/08* |

More information at **www.lenovo.com/support/mice**

## Multimedia

| | | |
|---|---|---|
| USB 2.0 Lenovo Webcam | 40Y8519 | *ann 08/29/06* |
| ThinkPad® In-Ear Headphones | 57Y4488 | *ann 01/07/10* |

## Security

| | | |
|---|---|---|
| Kensington® MicroSaver® Cable Lock[56] | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock[56] | 45K1620 | *ann 09/30/08* |
| USB Gemplus GemPC Smart Card Reader | 41N3040 | *ann 02/21/06* |

[56] Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis itself.

## Mounting Device

*Eco Ultra Small 8820/7359/7637/9961/7479/6136 support under desk mounting device:*

| | | |
|---|---|---|
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 | *ann 09/06/05* |

## Monitors

| | | |
|---|---|---|
| ThinkVision® L1711p 17" Monitor | 5047HB2 | *ann 10/20/09* |
| ThinkVision L1900p 19" Monitor | 4431HE1 | *ann 11/11/08* |
| ThinkVision L1951p Wide 19" Monitor | 2448HB6 | *ann 10/20/09* |
| ThinkVision L2250p Wide 22" Monitor | 2572HB6 | *ann 10/20/09* |
| ThinkVision L2251p Wide 22" Monitor | 2572HD6 | *ann 10/20/09* |
| ThinkVision L2251x Wide 22" Monitor | 2578HB6 | *ann 10/20/09* |
| ThinkVision L2440p Wide 24" Monitor | 4420HB2 | *ann 09/17/08* |

More information at **www.lenovo.com/thinkvision**

## Monitor Accessories[46]

*Eco Ultra Small 8820/7359/7637/9961/7479/6136 support:*

| | | |
|---|---|---|
| Lenovo Vertical PC and Monitor Stand II | 41R4474 | *ann 01/27/09* |

*All:*

| | | |
|---|---|---|
| Lenovo USB-to-DVI Monitor Adapter | 45K5296 | *ann 05/12/09* |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 | *ann 08/05/08* |
| DisplayPort to VGA Monitor Cable | 57Y4393 | *ann 08/04/09* |
| ThinkVision USB Soundbar | 40Y7616 | *ann 08/23/05* |
| ThinkVision Soundbar | 45K1263 | *ann 09/16/08* |
| Kensington MicroSaver Cable Lock[56] | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock[56] | 45K1620 | *ann 09/30/08* |
| Radial Arm | 19K4464 | *ann 05/05/00* |

[46] Compatible on selected Lenovo and ThinkVision monitors.

More information at **www.lenovo.com/support/monitoraccessories**

## Medialess License Key (MLK)

| | | |
|---|---|---|
| Microsoft® Office 2007 Basic, English | 43R1528 | *ann 07/03/07* |
| Microsoft Office 2007 Small Business, Engl | 43R1534 | *ann 07/03/07* |
| Microsoft Office 2007 Professional, English | 43R1531 | *ann 07/03/07* |

For more information on desktop accessories, please visit:
**www.lenovo.com/support/accessories**
**www.lenovo.com/support/desktopaccessories**
**www.lenovo.com/support/security**

Other accessories at **www.lenovo.com/accessories**

Accessories Guide pdf at **www.lenovo.com/accessoriesguide**

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Lenovo ThinkCentre M90/M90p Eco USFF

Lenovo ThinkCentre M90/M90p Eco USFF

Lenovo ThinkCentre M90/M90p SFF

Lenovo ThinkCentre M90/M90p SFF
with ThinkVision L2251x (2578-HB6)

Lenovo ThinkCentre M90/M90p Tower

Lenovo ThinkCentre M90/M90p Tower

# ThinkCentre® M90 Eco Ultra Small (3244) - TopS (XP with Win7 License)

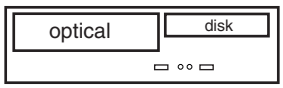


| Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Preload | Recovery DVD | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3244-A1U | 1x2 | Core i3-530 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |
| ✂ 3244-A2U | 1x2 | Pentium G6950 | 2.80 | 2 | 2GB | 250GB | DVD±RW | Intel HD | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |

- ***The most powerful, stable, and manageable desktop with next generation Intel platform***
- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor G6950** with **dual-core**, Intel 64, Virtualization Technology, integrated 1066MHz dual-channel DDR3 memory controller, 3MB cache or **Intel Core™ i3 Processor i3-530** with **dual-core**, Intel 64, Hyper-Threading Technology, Virtualization Technology, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB std**, 4GB max, **PC3-10600 1333MHz DDR3***, two 204-pin SODIMM sockets (notebook); *Non-italics:* standard memory in one socket; one socket available<br>* System automatically clocks down for processors with 1066MHz DDR3 memory controller |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10**, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display<br>** DirectX 10 is only available with Windows Vista and later |
| DP dongle | None |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**, Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 11.0" W X 9.4" D X 3.1" H
- 279mm W X 238mm D X 79mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional (with Windows 7 Professional 32 Recovery DVD)

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo System Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)
- Corel WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010
✂ US model withdrawn effective February 2010

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# ThinkCentre® M90 Eco Ultra Small (3244) - TopSeller (Windows 7)

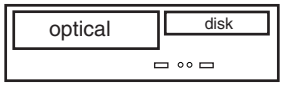


| Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3244-A8U | 1x2 | Core i3-530 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | None | Pro 32 | None | Mar 10 |

- ***The most powerful, stable, and manageable desktop with next generation Intel platform***
- ***This small and medium business (SMB) model is part of the US TopSeller™ Program***
- ***This model has a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i3 Processor i3-530** with **dual-core**, Intel 64, Hyper-Threading Technology, Virtualization Technology, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB std**, 4GB max, **PC3-10600 1333MHz DDR3**, two 204-pin SODIMM sockets (notebook); *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display |
| DP dongle | None |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**, Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 11.0" W X 9.4" D X 3.1" H
- 279mm W X 238mm D X 79mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

**Accessories**

| | |
|---|---|
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced March 2, 2010

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# ThinkCentre® M90 Eco Ultra Small (3692) - XP with Win7 License



| Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Preload | Recovery DVD | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3692-A1U | 1x2 | Pentium G6950 | 2.80 | 2 | 1GB | 250GB[2] | DVD | Intel HD | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |
| 3692-A2U | 1x2 | Pentium G6950 | 2.80 | 2 | 2GB | 250GB | DVD±RW | Intel HD | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |
| 3692-A3U | 1x2 | Core i3-530 | 2.93 | 2 | 2GB | 250GB | DVD±RW | Intel HD | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |

- ***Most powerful, stable, and manageable desktop with next generation Intel platform***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor G6950** with **dual-core**, Intel 64, Virtualization Technology, integrated 1066MHz dual-channel DDR3 memory controller, 3MB cache or **Intel Core™ i3 Processor i3-530** with **dual-core**, Intel 64, Hyper-Threading Technology, Virtualization Technology, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **1GB** or **2GB std**, 4GB max, **PC3-10600 1333MHz DDR3***, two 204-pin SODIMM sockets (notebook); *Non-italics:* standard memory in one socket; one socket available<br>* System automatically clocks down for processors with 1066MHz DDR3 memory controller |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10**, uses main memory (up to 512MB *[1GB model]*, 1GB *[2GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display<br>** DirectX 10 is only available with Windows Vista and later |
| DP dongle | None |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD | DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] Drive |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**, Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**

Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 11.0" W X 9.4" D X 3.1" H
- 279mm W X 238mm D X 79mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional (with Windows 7 Professional 32 Recovery DVD)

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo System Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)
- Corel WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010

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# ThinkCentre® M90 Eco Ultra Small (3692) - Windows 7

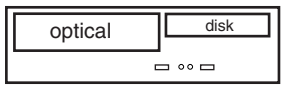


| Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3692-A4U | 1x2 | Core i3-530 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | None | Pro 32 | None | Feb 10 |
| 3692-E7U | 1x2 | Pentium G6950 | 2.80 | 2 | 2GB | 250GB | DVD±RW | Intel HD | VGA, DP | ES50 | None | Pro 32 | None | Feb 10 |

- ***The most powerful, stable, and manageable desktop with next generation Intel platform***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor G6950** with **dual-core**, Intel 64, Virtualization Technology, integrated 1066MHz dual-channel DDR3 memory controller, 3MB cache or **Intel Core™ i3 Processor i3-530** with **dual-core**, Intel 64, Hyper-Threading Technology, Virtualization Technology, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB std**, 4GB max, **PC3-10600 1333MHz DDR3***, two 204-pin SODIMM sockets (notebook); *Non-italics:* standard memory in one socket; one socket available * System automatically clocks down for processors with 1066MHz DDR3 memory controller |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display |
| DP dongle | None |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**, Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 11.0" W X 9.4" D X 3.1" H
- 279mm W X 238mm D X 79mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

**Accessories**

| | |
|---|---|
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010

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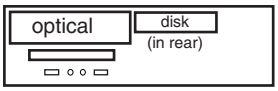
# ThinkCentre® M90 Small (3245) - TopSeller (XP with Win7 License)

| Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Preload | Recovery DVD | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3245-A1U | 2x3 | Core i3-530 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |
| ✂ 3245-A2U | 2x3 | Pentium G6950 | 2.80 | 2 | 2GB | 250GB | DVD±RW | Intel HD | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |
| 3245-A8U | 2x3 | Core i5-750 | 2.66 | 4 | *3GB* | 500GB | DVD±RW | ***310*** | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |

- ***The most powerful, stable, and manageable desktop with next generation Intel platform***
- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty[1]***

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor G6950** with **dual-core**, Intel 64, Virtualization Technology, integrated 1066MHz dual-channel DDR3 memory controller, 3MB cache or **Intel Core™ i3 Processor i3-530** with **dual-core**,Intel 64, Hyper-Threading Technology, Virtualization Technology, integrated 1333MHz dual-channel DDR3 memory controller, 4MB cache or **Intel Core i5 Processor i5-750** with **quad-core**, Intel 64, Virtualization Technology, Turbo Boost Technology (up to 3.20 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB** or **3GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3***, four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available<br>* System automatically clocks down for processors with 1066MHz DDR3 memory controller |
| Graphics | *A1U/A2U:* **Intel HD Graphics** in processor, HDCP, DirectX® 10**, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display<br>*A8U:* **NVIDIA® GeForce® 310**, PCIe x16 adapter, 512MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10, NVIDIA PureVideo®, NVIDIA CUDA™, 30 watts<br>** DirectX 10 is only available with Windows Vista and later |
| DP dongle | None |
| SATA disk | **250GB** or **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**, Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 240 watts with 85% efficiency, auto-sensing, active Power Factor Correction |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16 (75w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless system board retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system[20]**

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional (with Windows 7 Professional 32 Recovery DVD)

**Preloaded applications[5]** (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo System Toolbox
- Norton™ Internet Security 2009 (30-day)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)
- Corel WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA GeForce 512MB 310 (DP, VGA) | 57Y4397 |
| NVIDIA Quadro® 512MB FX380 LP (DP, DVI) | 57Y4396 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty[1]**

- **3-year parts and labor**
- **International Warranty Service[9]**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):[7]**
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day[14] toll-free support during the warranty period[1] via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010
✂ US model withdrawn effective February 2010

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# ThinkCentre® M90 Small (3245) - TopSeller (Windows 7)

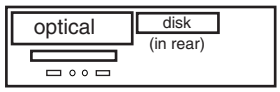


| Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3245-A9U | 2x3 | Core i3-530 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | None | Pro 32 | None | Mar 10 |
| 3245-B3U | 2x3 | Core i3-530 | 2.93 | 2 | *4GB* | 320GB | DVD±RW | Intel HD | VGA, DP | ES50 | None | Pro 64 | None | Mar 10 |
| 3245-B1U | 2x3 | Core i5-750 | 2.66 | 4 | *3GB* | 500GB | DVD±RW | ***310*** | VGA, DP | ES50 | None | Pro 32 | None | Mar 10 |

- ***The most powerful, stable, and manageable desktop with next generation Intel platform***
- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i3 Processor i3-530** with **dual-core**, Intel 64, Hyper-Threading Technology, Virtualization Technology, integrated 1333MHz dual-channel DDR3 memory controller, 4MB cache or **Intel Core i5 Processor i5-750** with **quad-core**, Intel 64, Virtualization Technology, Turbo Boost Technology (up to 3.20 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB**, **3GB**, or **4GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available |
| Graphics | *A9U/B3U:* **Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 765MB *[2GB models],* 1759MB *[4GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display<br>*B1U:* **NVIDIA® GeForce® 310**, PCI Express® 2.0 x16 adapter, 512MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10, NVIDIA PureVideo®, NVIDIA CUDA™, 30 watts |
| DP dongle | None |
| SATA disk | **250GB**, **320GB**, or **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**, Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 240 watts with 85% efficiency, auto-sensing, active Power Factor Correction |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16 (75w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
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- Toolless system board retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- *Some:* Genuine Windows® 7 Professional 32
- *Some:* Genuine Windows 7 Professional 64

**Preloaded applications**[5] (all OSes; only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA GeForce 512MB 310 (DP, VGA) | 57Y4397 |
| NVIDIA Quadro® 512MB FX380 LP (DP, DVI) | 57Y4396 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
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  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**



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# ThinkCentre® M90 Small (5485) - XP with Win7 License

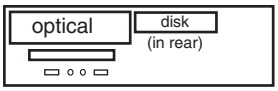


| Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Preload | Recovery DVD | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5485-A1U | 2x3 | Pentium G6950 | 2.80 | 2 | 1GB | 250GB[2] | DVD | Intel HD | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |
| 5485-A2U | 2x3 | Pentium G6950 | 2.80 | 2 | 2GB | 250GB | DVD±RW | Intel HD | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |
| 5485-A3U | 2x3 | Core i3-530 | 2.93 | 2 | 2GB | 250GB | DVD±RW | Intel HD | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |
| 5485-A4U | 2x3 | Core i5-750 | 2.66 | 4 | *3GB* | 500GB | DVD±RW | ***310*** | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |

- ***The most powerful, stable, and manageable desktop with next generation Intel platform***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor G6950** with **dual-core**, Intel 64, Virtualization Technology, integrated 1066MHz dual-channel DDR3 memory controller, 3MB cache or **Intel Core™ i3 Processor i3-530** with **dual-core**, Intel 64, Hyper-Threading Technology, Virtualization Technology, integrated 1333MHz dual-channel DDR3 memory controller, 4MB cache or **Intel Core i5 Processor i5-750** with **quad-core**, Intel 64, Virtualization Technology, Turbo Boost Technology (up to 3.20 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **1GB**, **2GB**, or **3GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3***, four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available<br>* System automatically clocks down for processors with 1066MHz DDR3 memory controller |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16 (75w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless system board retention
- System floor stand for vertical orientation

| | |
|---|---|
| Graphics | *A1U/A2U/A3U:* **Intel HD Graphics** in processor, HDCP, DirectX® 10**, uses main memory (up to 512MB *[1GB model]*, 1GB *[2GB and 3GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display<br>*A4U:* **NVIDIA® GeForce® 310**, PCI Express® 2.0 x16 adapter, 512MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10, NVIDIA PureVideo®, NVIDIA CUDA™, 30 watts<br>** DirectX 10 is only available with Windows Vista and later |
| DP dongle | None |
| SATA disk | **250GB** or **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**<br>Platform Controller Hub (PCH) for PCI, ethernet, and USB,<br>SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 240 watts with 85% efficiency, auto-sensing, active Power Factor Correction |

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional (with Windows 7 Professional 32 Recovery DVD)

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- Norton™ Internet Security 2009 (30-day)
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)
- Corel WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA GeForce 512MB 310 (DP, VGA) | 57Y4397 |
| NVIDIA Quadro® 512MB FX380 LP (DP, DVI) | 57Y4396 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010

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# ThinkCentre® M90 Small (5485) - Windows 7

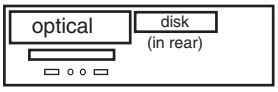


| Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5485-A5U | 2x3 | Core i3-530 | 2.93 | 2 | 2GB | 250GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | None | Pro 32 | None | Feb 10 |
| 5485-E3U | 2x3 | Pentium G6950 | 2.80 | 2 | 2GB | 250GB | DVD±RW | Intel HD | VGA, DP | ES50 | None | Pro 32 | None | Feb 10 |
| 5485-E4U | 2x3 | Core i5-750 | 2.66 | 4 | *3GB* | 500GB | DVD±RW | ***310*** | VGA, DP | ES50 | None | Pro 32 | None | Feb 10 |

- ***The most powerful, stable, and manageable desktop with next generation Intel platform***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor G6950** with **dual-core**, Intel 64, Virtualization Technology, integrated 1066MHz dual-channel DDR3 memory controller, 3MB cache or **Intel Core™ i3 Processor i3-530** with **dual-core**, Intel 64, Hyper-Threading Technology, Virtualization Technology, integrated 1333MHz dual-channel DDR3 memory controller, 4MB cache or **Intel Core i5 Processor i5-750** with **quad-core**, Intel 64, Virtualization Technology, Turbo Boost Technology (up to 3.20 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB** or **3GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3***, four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available<br>* System automatically clocks down for processors with 1066MHz DDR3 memory controller |
| Graphics | *A5U/E3U:* **Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display<br>*E4U:* **NVIDIA® GeForce® 310**, PCI Express® 2.0 x16 adapter, 512MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10, NVIDIA PureVideo®, NVIDIA CUDA™, 30 watts |
| DP dongle | None |
| SATA disk | **250GB** or **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**<br>Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 240 watts with 85% efficiency, auto-sensing, active Power Factor Correction |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16 (75w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless system board retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA GeForce 512MB 310 (DP, VGA) | 57Y4397 |
| NVIDIA Quadro® 512MB FX380 LP (DP, DVI) | 57Y4396 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010

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# ThinkCentre® M90 Tower (3246) - TopSeller (XP with Win7 License)

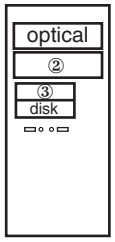
| Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Preload | Recovery DVD | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ✂ 3246-A1U | 4x4 | Pentium G6950 | 2.80 | 2 | 2GB | 250GB[2] | None | DVD±RW | Intel HD | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |
| 3246-A2U | 4x4 | Core i3-530 | 2.93 | 2 | 2GB | 250GB | None | DVD±RW | Intel HD | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |
| 3246-A9U | 4x4 | Core i5-750 | 2.66 | 4 | *3GB* | 500GB | None | DVD±RW | ***310*** | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |

- ***The most powerful, stable, and manageable desktop with next generation Intel platform***
- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty[1]***

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor G6950** with **dual-core**, Intel 64, Virtualization Technology, integrated 1066MHz dual-channel DDR3 memory controller, 3MB cache or<br>**Intel Core™ i3 Processor i3-530** with **dual-core**, Intel 64, Intel Hyper-Threading Technology, Virtualization Technology, integrated 1333MHz dual-channel DDR3 memory controller, 4MB cache or<br>**Intel Core i5 Processor i5-750** with **quad-core**, Intel 64, Virtualization Technology, Turbo Boost Technology (up to 3.20 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB** or **3GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3***, four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available<br>* System automatically clocks down for processors with 1066MHz DDR3 memory controller |
| Graphics | *A1U/A2U:* **Intel HD Graphics** in processor, HDCP, DirectX® 10**, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display<br>*A9U:* **NVIDIA® GeForce® 310**, PCI Express® 2.0 x16 adapter, 512MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10, NVIDIA PureVideo®, NVIDIA CUDA™, 30 watts<br>** DirectX 10 is only available with Windows Vista and later |
| DP dongle | None |
| SATA disk | **250GB** or **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, three SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**<br>Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

## Tower

- Business black color; metal case
- 6.9" W X 17.4" D X 16.3" H
- 175mm W X 442mm D X 414mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Power button on top handle
- Toolless cover removal
- Tilted front I/O for easy access
- Toolless disk, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, 32-bit PCI 2.3
Slot 4: half-length, full-height, 32-bit PCI 2.3

## Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

## Environmental Features

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

## Preloaded operating system[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional (with Windows 7 Professional 32 Recovery DVD)

## Preloaded applications[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo System Toolbox
- Norton™ Internet Security 2009 (30-day)
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)
- Corel WinDVD® (DVD±RW)

## Accessories

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA GeForce 512MB 310 (DP, VGA) | 57Y4397 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

## Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service[9]**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):[7]**
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day[14] toll-free support during the warranty period[1] via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010
✂ US model withdrawn effective February 2010

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# ThinkCentre® M90 Tower (3246) - TopSeller (Windows 7)



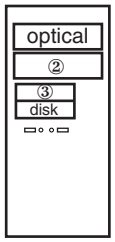
| Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3246-B1U | 4x4 | Core i3-530 | 2.93 | 2 | 2GB | 250GB[2] | None | DVD±RW | Intel HD | VGA, DP | ES50 | None | Pro 32 | None | Mar 10 |
| 3246-B2U | 4x4 | Core i5-750 | 2.66 | 4 | *3GB* | 500GB | None | DVD±RW | ***310*** | VGA, DP | ES50 | None | Pro 32 | None | Mar 10 |
| 3246-B4U | 4x4 | Core i3-530 | 2.93 | 2 | *4GB* | 320GB | None | DVD±RW | Intel HD | VGA, DP | ES50 | None | Pro 64 | None | Mar 10 |

- ***The most powerful, stable, and manageable desktop with next generation Intel platform***
- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i3 Processor i3-530** with **dual-core**, Intel 64, Intel Hyper-Threading Technology, Virtualization Technology, integrated 1333MHz dual-channel DDR3 memory controller, 4MB cache or **Intel Core i5 Processor i5-750** with **quad-core**, Intel 64, Virtualization Technology, Turbo Boost Technology (up to 3.20 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB**, **3GB**, or **4GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; *Non-italics:* standard memory in one socket; three sockets available |
| Graphics | *B1U/B4U:* **Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 765MB *[2GB models]*, 1759MB *[4GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display<br>*B2U:* **NVIDIA® GeForce® 310**, PCI Express® 2.0 x16 adapter, 512MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10, NVIDIA PureVideo®, NVIDIA CUDA™, 30 watts |
| DP dongle | None |
| SATA disk | **250GB**, **320GB**, or **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, three SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset** Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Tower**

- Business black color; metal case
- 6.9" W X 17.4" D X 16.3" H
- 175mm W X 442mm D X 414mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Power button on top handle
- Toolless cover removal
- Tilted front I/O for easy access
- Toolless disk, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, 32-bit PCI 2.3
Slot 4: half-length, full-height, 32-bit PCI 2.3

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- *Some:* Genuine Windows® 7 Professional 32
- *Some:* Genuine Windows 7 Professional 64

**Preloaded applications**[5] (all OSes; only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA GeForce 512MB 310 (DP, VGA) | 57Y4397 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced March 2, 2010

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# ThinkCentre® M90 Tower (5474) - XP with Win7 License



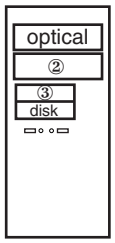
| Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Preload | Recovery DVD | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5474-A1U | 4x4 | Pentium G6950 | 2.80 | 2 | 1GB | 250GB[2] | None | DVD | Intel HD | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |
| 5474-A2U | 4x4 | Pentium G6950 | 2.80 | 2 | 2GB | 250GB | None | DVD±RW | Intel HD | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |
| 5474-A3U | 4x4 | Core i3-530 | 2.93 | 2 | 2GB | 250GB | None | DVD±RW | Intel HD | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |
| 5474-A4U | 4x4 | Core i5-750 | 2.66 | 4 | *3GB* | 500GB | None | DVD±RW | ***310*** | VGA, DP | ES50 | None | XP Pro | Pro 32 | None | Feb 10 |

- ***The most powerful, stable, and manageable desktop with next generation Intel platform***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor G6950** with **dual-core**, Intel 64, Virtualization Technology, integrated 1066MHz dual-channel DDR3 memory controller, 3MB cache or **Intel Core™ i3 Processor i3-530** with **dual-core**, Intel 64, Hyper-Threading Technology, Virtualization Technology, integrated 1333MHz dual-channel DDR3 memory controller, 4MB cache or **Intel Core i5 Processor i5-750** with **quad-core**, Intel 64, Virtualization Technology, Turbo Boost Technology (up to 3.20 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **1GB**, **2GB**, or **3GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3***, four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available<br>* System automatically clocks down for processors with 1066MHz DDR3 memory controller |
| Graphics | *A1U/A2U/A3U:* **Intel HD Graphics** in processor, HDCP, DirectX® 10**, uses main memory (up to 512MB *[1GB model]*, 1GB *[2GB and 3GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display<br>*A4U:* **NVIDIA® GeForce® 310**, PCI Express® 2.0 x16 adapter, 512MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10, NVIDIA PureVideo®, NVIDIA CUDA™, 30 watts<br>** DirectX 10 is only available with Windows Vista and later |
| DP dongle | None |
| SATA disk | **250GB** or **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, three SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**<br>Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

### Tower

- Business black color; metal case
- 6.9" W X 17.4" D X 16.3" H
- 175mm W X 442mm D X 414mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Power button on top handle
- Toolless cover removal
- Tilted front I/O for easy access
- Toolless disk, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, 32-bit PCI 2.3
Slot 4: half-length, full-height, 32-bit PCI 2.3

### Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

### Environmental Features

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

### Preloaded operating system[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional (with Windows 7 Professional 32 Recovery DVD)

### Preloaded applications[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- Norton™ Internet Security 2009 (30-day)
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)
- Corel WinDVD® (DVD, DVD±RW)

### Accessories

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA GeForce 512MB 310 (DP, VGA) | 57Y4397 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service[9]**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):[7]**
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day[14] toll-free support during the warranty period[1] via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010

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| Type-model | Slot x bay | Processor | GHz | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5474-A5U | 4x4 | Core i3-530 | 2.93 | 2 | 2GB | 250GB[2] | None | DVD±RW | Intel HD | VGA, DP | ES50 | None | Pro 32 | None | Feb 10 |
| 5474-D4U | 4x4 | Pentium G6950 | 2.80 | 2 | 2GB | 250GB | None | DVD±RW | Intel HD | VGA, DP | ES50 | None | Pro 32 | None | Feb 10 |
| 5474-D5U | 4x4 | Core i5-750 | 2.66 | 4 | *3GB* | 500GB | None | DVD±RW | ***310*** | VGA, DP | ES50 | None | Pro 32 | None | Feb 10 |

- ***The most powerful, stable, and manageable desktop with next generation Intel platform***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Pentium® Processor G6950** with **dual-core**, Intel 64, Virtualization Technology, integrated 1066MHz dual-channel DDR3 memory controller, 3MB cache or **Intel Core™ i3 Processor i3-530** with **dual-core**, Intel 64, Hyper-Threading Technology, Virtualization Technology, integrated 1333MHz dual-channel DDR3 memory controller, 4MB cache or **Intel Core i5 Processor i5-750** with **quad-core**, Intel 64, Virtualization Technology, Turbo Boost Technology (up to 3.20 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB** or **3GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3***, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; *Non-italics:* standard memory in one socket; three sockets available * System automatically clocks down for processors with 1066MHz DDR3 memory controller |
| Graphics | *A5U/D4U:* **Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 765MB *[2GB models]*, 1277MB *[3GB model]*), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display<br>*D5U:* **NVIDIA® GeForce® 310**, PCI Express® 2.0 x16 adapter, 512MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10, NVIDIA PureVideo®, NVIDIA CUDA™, 30 watts |
| DP dongle | None |
| SATA disk | **250GB** or **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, three SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset** Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Tower**

- Business black color; metal case
- 6.9" W X 17.4" D X 16.3" H
- 175mm W X 442mm D X 414mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
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- Toolless cover removal
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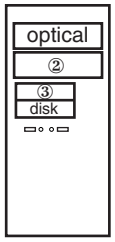


Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, 32-bit PCI 2.3
Slot 4: half-length, full-height, 32-bit PCI 2.3

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA GeForce 512MB 310 (DP, VGA) | 57Y4397 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
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  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**




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# ThinkCentre® M90p Eco Ultra Small (3257) - TopS (XP with Win7 License)



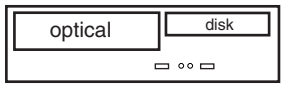
| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | Cores | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Preload | Recovery DVD | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3257-A1U | 1x2 | Core i5-650 | 3.20 | 3.46 | 2 | *3GB* | 500GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |
| ✂ 3257-A2U | 1x2 | Core i5-660 | 3.33 | 3.60 | 2 | *3GB* | 500GB | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |

- ***Next generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty[1]***

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i5 Processor i5-650** or **i5-660** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **3GB std**, 4GB max, **PC3-10600 1333MHz DDR3**, two 204-pin SODIMM sockets (notebook); *Italics:* standard memory in both sockets; no sockets available |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10**, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display<br>** DirectX 10 is only available with Windows Vista and later |
| DP dongle | None |
| SATA disk | **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Express Q57 Chipset**, Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | Intel Active Management Technology 6.0 (Intel AMT 6.0) |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 11.0" W X 9.4" D X 3.1" H
- 279mm W X 238mm D X 79mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system[20]**

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional (with Windows 7 Professional 32 Recovery DVD)

**Preloaded applications[5]** (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo System Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)
- Corel WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty[1]**

- **3-year parts and labor**
- **International Warranty Service[9]**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):[7]**
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day[14] toll-free support during the warranty period[1] via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010
✂ US model withdrawn effective February 2010

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# ThinkCentre® M90p Eco Ultra Small (3257) - TopSeller (Windows 7)



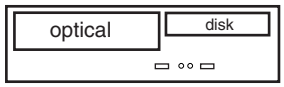
| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | Cores | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3257-A5U | 1x2 | Core i5-650 | 3.20 | 3.46 | 2 | *3GB* | 500GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Mar 10 |

- ***Next generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***This small and medium business (SMB) model is part of the US TopSeller™ Program***
- ***This model has a 3-year limited warranty***[1]

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i5 Processor i5-650** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **3GB std**, 4GB max, **PC3-10600 1333MHz DDR3**, two 204-pin SODIMM sockets (notebook); *Italics:* standard memory in both sockets; no sockets available |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 1277MB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display |
| DP dongle | None |
| SATA disk | **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Express Q57 Chipset**, Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | Intel Active Management Technology 6.0 (Intel AMT 6.0) |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 11.0" W X 9.4" D X 3.1" H
- 279mm W X 238mm D X 79mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

**Accessories**

| | |
|---|---|
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced March 2, 2010

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# ThinkCentre® M90p Eco Ultra Small (3853) - XP with Win7 License



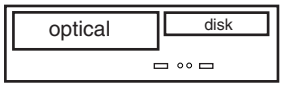
| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | Cores | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Preload | Recovery DVD | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3853-A1U | 1x2 | Core i5-650 | 3.20 | 3.46 | 2 | 2GB | 250GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |
| 3853-A2U | 1x2 | Core i5-650 | 3.20 | 3.46 | 2 | *3GB* | 500GB | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |
| 3853-A3U | 1x2 | Core i5-660 | 3.33 | 3.60 | 2 | *3GB* | 500GB | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |

- ***Next generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***These models have a 3-year limited warranty***[1]

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i5 Processor i5-650** or **i5-660** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB** or **3GB std**, 4GB max, **PC3-10600 1333MHz DDR3**, two 204-pin SODIMM sockets (notebook);<br>*Italics:* standard memory in both sockets; no sockets available;<br>*Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10**, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display<br>** DirectX 10 is only available with Windows Vista and later |
| DP dongle | None |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 11.0" W X 9.4" D X 3.1" H
- 279mm W X 238mm D X 79mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- System floor stand for vertical orientation

| | |
|---|---|
| SATA disk | **250GB** or **500GB,** SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**, Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | Intel Active Management Technology 6.0 (iAMT 6.0) |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional (with Windows 7 Professional 32 Recovery DVD)

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo System Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)
- Corel WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010

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# ThinkCentre® M90p Eco Ultra Small (3853) - Windows 7



| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | Cores | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3853-A4U | 1x2 | Core i5-650 | 3.20 | 3.46 | 2 | 2GB | 250GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Feb 10 |
| 3853-B5U | 1x2 | Core i5-660 | 3.33 | 3.60 | 2 | 2GB | 250GB | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Feb 10 |
| 3853-E3U | 1x2 | Core i5-650 | 3.20 | 3.46 | 2 | *3GB* | 500GB | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Feb 10 |
| 3853-E4U | 1x2 | Core i5-660 | 3.33 | 3.60 | 2 | *3GB* | 500GB | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Feb 10 |
| 3853-E5U | 1x2 | Core i5-660 | 3.33 | 3.60 | 2 | 2GB | 250GB | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Feb 10 |

- ***Next generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***These models have a 3-year limited warranty***[1]

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i5 Processor i5-650** or **i5-660** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB** or **3GB std**, 4GB max, **PC3-10600 1333MHz DDR3**, two 204-pin SODIMM sockets (notebook);<br>*Italics:* standard memory in both sockets; no sockets available;<br>*Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 765MB *[2GB models]*, 1277MB *[3GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display |
| DP dongle | None |

**Eco Ultra Small**

Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 11.0" W X 9.4" D X 3.1" H
- 279mm W X 238mm D X 79mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- System floor stand for vertical orientation

| | |
|---|---|
| SATA disk | **250GB** or **500GB,** SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**, Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | Intel Active Management Technology 6.0 (Intel AMT 6.0) |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

### Security

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement

### Environmental Features

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

**Accessories**

| | |
|---|---|
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010

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# ThinkCentre® M90p Eco Ultra Small (5296) - GMP (Windows 7)



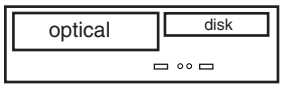
| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | Cores | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5296-A1U | 1x2 | Core i5-650 | 3.20 | 3.46 | 2 | 2GB | 250GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | G P | Feb 10 |

- ***Next generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i5 Processor i5-650** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB std**, 4GB max, **PC3-10600 1333MHz DDR3**, two 204-pin SODIMM sockets (notebook); *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display |
| DP dongle | None |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**, Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | Intel Active Management Technology 6.0 (Intel AMT 6.0) |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU |

**Eco Ultra Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 11.0" W X 9.4" D X 3.1" H
- 279mm W X 238mm D X 79mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

**Accessories**

| | |
|---|---|
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| Lenovo Vertical PC and Monitor Stand II | 41R4474 |
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus™ part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**



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# ThinkCentre® M90p Small (3269) - TopSeller (XP with Win7 License)



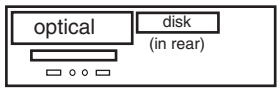
| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | Cores | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Preload | Recovery DVD | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3269-A1U | 2x3 | Core i5-650 | 3.20 | 3.46 | 2 | *3GB* | 500GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |
| ✂ 3269-A2U | 2x3 | Core i5-660 | 3.33 | 3.60 | 2 | *3GB* | 500GB | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |

- ***Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i5 Processor i5-650** or **i5-660** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **3GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available; |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10**, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display ** DirectX 10 is only available with Windows Vista and later |
| DP dongle | None |
| SATA disk | **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset** Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | Intel Active Management Technology 6.0 (Intel AMT 6.0) |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 240 watts with 85% efficiency, auto-sensing, active Power Factor Correction |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16 (75w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless system board retention
- System floor stand for vertical orientation

### Security

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

### Environmental Features

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

### Preloaded operating system[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional (with Windows 7 Professional 32 Recovery DVD)

### Preloaded applications[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo System Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)
- Corel WinDVD® (DVD±RW)

### Accessories

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA® GeForce® 512MB 310 (DP, VGA) | 57Y4397 |
| NVIDIA Quadro® 512MB FX380 LP (DP, DVI) | 57Y4396 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010
✂ US model withdrawn effective February 2010

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# ThinkCentre® M90p Small (3269) - TopSeller (Windows 7)



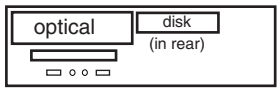
| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | Cores | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3269-A6U | 2x3 | Core i5-650 | 3.20 | 3.46 | 2 | *3GB* | 500GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Mar 10 |
| 3269-A8U | 2x3 | Core i5-650 | 3.20 | 3.46 | 2 | *4GB* | 320GB | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 64 | None | Mar 10 |

- ***Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i5 Processor i5-650** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **3GB** or **4GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 1277MB*[3GB models]*, 1759MB*[4GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display |
| DP dongle | None |
| SATA disk | **320GB** or **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset** Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | Intel Active Management Technology 6.0 (Intel AMT 6.0) |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 240 watts with 85% efficiency, auto-sensing, active Power Factor Correction |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16 (75w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless system board retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- *Some:* Genuine Windows® 7 Professional 32
- *Some:* Genuine Windows 7 Professional 64

**Preloaded applications**[5] (all OSes; only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA® GeForce® 512MB 310 (DP, VGA) | 57Y4397 |
| NVIDIA Quadro® 512MB FX380 LP (DP, DVI) | 57Y4396 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced March 2, 2010

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# ThinkCentre® M90p Small (5536) - XP with Win7 License



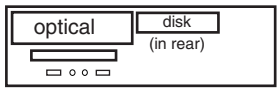
| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | Cores | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Preload | Recovery DVD | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5536-A1U | 2x3 | Core i5-650 | 3.20 | 3.46 | 2 | 2GB | 250GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |
| 5536-A2U | 2x3 | Core i5-650 | 3.20 | 3.46 | 2 | *3GB* | 500GB | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |
| 5536-A3U | 2x3 | Core i5-660 | 3.33 | 3.60 | 2 | *3GB* | 500GB | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |
| 5536-E1U | 2x3 | Core i5-660 | 3.33 | 3.60 | 2 | 2GB | 250GB | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |

- ***Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***These models have a 3-year limited warranty***[1]

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i5 Processor i5-650** or **i5-660** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB** or **3GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10**, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display<br>** DirectX 10 is only available with Windows Vista and later |
| DP dongle | None |
| SATA disk | **250GB** or **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**<br>Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | Intel Active Management Technology 6.0 (Intel AMT 6.0) |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 240 watts with 85% efficiency, auto-sensing, active Power Factor Correction |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16 (75w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless system board retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional (with Windows 7 Professional 32 Recovery DVD)

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo System Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)
- Corel WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA® GeForce® 512MB 310 (DP, VGA) | 57Y4397 |
| NVIDIA Quadro® 512MB FX380 LP (DP, DVI) | 57Y4396 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010

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# ThinkCentre® M90p Small (5536) - Windows 7

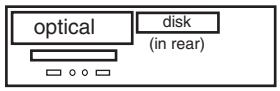
| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | Cores | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5536-A4U | 2x3 | Core i5-650 | 3.20 | 3.46 | 2 | 2GB | 250GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Feb 10 |
| 5536-B8U | 2x3 | Core i5-650 | 3.20 | 3.46 | 2 | *3GB* | 500GB | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Feb 10 |
| 5536-B9U | 2x3 | Core i5-660 | 3.33 | 3.60 | 2 | *3GB* | 500GB | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Feb 10 |
| 5536-E2U | 2x3 | Core i5-660 | 3.33 | 3.60 | 2 | 2GB | 250GB | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Feb 10 |

- ***Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***These models have a 3-year limited warranty***[1]

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i5 Processor i5-650** or **i5-660** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB** or **3GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 765MB *[2GB models]*, 1277MB *[3GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display |
| DP dongle | None |
| SATA disk | **250GB** or **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**<br>Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | Intel Active Management Technology 6.0 (Intel AMT 6.0) |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 240 watts with 85% efficiency, auto-sensing, active Power Factor Correction |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16 (75w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless system board retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA® GeForce® 512MB 310 (DP, VGA) | 57Y4397 |
| NVIDIA Quadro® 512MB FX380 LP (DP, DVI) | 57Y4396 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**



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# ThinkCentre® M90p Small (5864) - GMP (Windows 7)

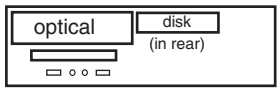
| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | Cores | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5864-A1U | 2x3 | Core i5-650 | 3.20 | 3.46 | 2 | 2GB | 250GB[2] | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | G P | Feb 10 |

- ***Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i5 Processor i5-650** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; three sockets available |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display |
| DP dongle | None |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset** Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | Intel Active Management Technology 6.0 (Intel AMT 6.0) |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 240 watts with 85% efficiency, auto-sensing, active Power Factor Correction |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express 2.0 x16 (75w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless system board retention
- System floor stand for vertical orientation

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA® GeForce® 512MB 310 (DP, VGA) | 57Y4397 |
| NVIDIA Quadro® 512MB FX380 LP (DP, DVI) | 57Y4396 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus™ part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced January 15, 2010

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# ThinkCentre® M90p Tower (3282) - TopSeller (XP with Win7 License)



| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Preload | Recovery DVD | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3282-A1U | 4x4 | Core i5-650 | 3.20 | 3.46 | 2 | *3GB* | 500GB[2] | None | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |
| ✂ 3282-A2U | 4x4 | Core i5-660 | 3.33 | 3.60 | 2 | *3GB* | 500GB | None | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |

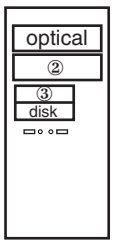
- ***Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i5 Processor i5-650** or **i5-660** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **3GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10*, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display<br>* DirectX 10 is only available with Windows Vista and later |
| DP dongle | None |
| SATA disk | **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, three SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**<br>Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | Intel Active Management Technology 6.0 (Intel AMT 6.0) |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

### Tower

- Business black color; metal case
- 6.9" W X 17.4" D X 16.3" H
- 175mm W X 442mm D X 414mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Power button on top handle
- Toolless cover removal
- Tilted front I/O for easy access
- Toolless disk, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, 32-bit PCI 2.3
Slot 4: half-length, full-height, 32-bit PCI 2.3

### Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

### Environmental Features

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

### Preloaded operating system[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional (with Windows 7 Professional 32 Recovery DVD)

### Preloaded applications[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo System Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)
- Corel WinDVD® (DVD±RW)

### Accessories

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA® GeForce® 512MB 310 (DP, VGA) | 57Y4397 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010
✂ US model withdrawn effective February 2010

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(MELB1-19) January 2010

# ThinkCentre® M90p Tower (3282) - TopSeller (Windows 7)



| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3282-A8U | 4x4 | Core i5-650 | 3.20 | 3.46 | 2 | *3GB* | 500GB[2] | None | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Mar 10 |
| 3282-B1U | 4x4 | Core i5-650 | 3.20 | 3.46 | 2 | *4GB* | 320GB | None | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 64 | None | Mar 10 |

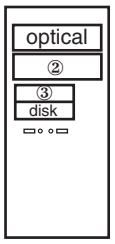
- ***Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i5 Processor i5-650** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **3GB** or **4GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 1277MB*[3GB models]*, 1759MB*[4GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display |
| DP dongle | None |
| SATA disk | **320GB** or **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, three SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**<br>Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | Intel Active Management Technology 6.0 (Intel AMT 6.0) |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

### Tower

- Business black color; metal case
- 6.9" W X 17.4" D X 16.3" H
- 175mm W X 442mm D X 414mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Power button on top handle
- Toolless cover removal
- Tilted front I/O for easy access
- Toolless disk, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, 32-bit PCI 2.3
Slot 4: half-length, full-height, 32-bit PCI 2.3

### Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

### Environmental Features

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

### Preloaded operating system[20]

- *Some:* Genuine Windows® 7 Professional 32
- *Some:* Genuine Windows 7 Professional 64

**Preloaded applications**[5] (all OSes; only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

### Accessories

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA® GeForce® 512MB 310 (DP, VGA) | 57Y4397 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**



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# ThinkCentre® M90p Tower (5498) - XP with Win7 License



| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Preload | Recovery DVD | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5498-A1U | 4x4 | Core i5-650 | 3.20 | 3.46 | 2 | 2GB | 250GB[2] | None | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |
| 5498-A2U | 4x4 | Core i5-650 | 3.20 | 3.46 | 2 | *3GB* | 500GB | None | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |
| 5498-A3U | 4x4 | Core i5-660 | 3.33 | 3.60 | 2 | *3GB* | 500GB | None | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | XP Pro | Pro 32 | None | Feb 10 |

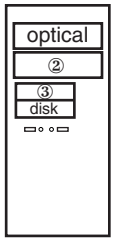
- ***Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***These models have a 3-year limited warranty***[1]

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i5 Processor i5-650** or **i5-660** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB** or **3GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10**, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display<br>** DirectX 10 is only available with Windows Vista and later |
| DP dongle | None |
| SATA disk | **250GB** or **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, three SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**<br>Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | Intel Active Management Technology 6.0 (Intel AMT 6.0) |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

### Tower

- Business black color; metal case
- 6.9" W X 17.4" D X 16.3" H
- 175mm W X 442mm D X 414mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Power button on top handle
- Toolless cover removal
- Tilted front I/O for easy access
- Toolless disk, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, 32-bit PCI 2.3
Slot 4: half-length, full-height, 32-bit PCI 2.3

### Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

### Environmental Features

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

### Preloaded operating system[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional (with Windows 7 Professional 32 Recovery DVD)

### Preloaded applications[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo System Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)
- Corel WinDVD® (DVD±RW)

### Accessories

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA® GeForce® 512MB 310 (DP, VGA) | 57Y4397 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010

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# ThinkCentre® M90p Tower (5498) - Windows 7

| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5498-A4U | 4x4 | Core i5-650 | 3.20 | 3.46 | 2 | 2GB | 250GB[2] | None | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Feb 10 |
| 5498-B5U | 4x4 | Core i5-660 | 3.33 | 3.60 | 2 | 2GB | 250GB | None | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Feb 10 |
| 5498-E7U | 4x4 | Core i5-650 | 3.20 | 3.46 | 2 | *3GB* | 500GB | None | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Feb 10 |
| 5498-E8U | 4x4 | Core i5-660 | 3.33 | 3.60 | 2 | *3GB* | 500GB | None | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Feb 10 |
| 5498-E9U | 4x4 | Core i5-660 | 3.33 | 3.60 | 2 | 2GB | 250GB | None | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Feb 10 |

- ***Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***These models have a 3-year limited warranty***[1]

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i5 Processor i5-650** or **i5-660** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB** or **3GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 765MB *[2GB models]*, 1277MB *[3GB models]*), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display |
| DP dongle | None |
| SATA disk | **250GB** or **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, three SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset**<br>Platform Controller Hub (PCH) for PCI, ethernet, and USB,<br>SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | Intel Active Management Technology 6.0 (Intel AMT 6.0) |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

### Tower

- Business black color; metal case
- 6.9" W X 17.4" D X 16.3" H
- 175mm W X 442mm D X 414mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
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- Toolless cover removal
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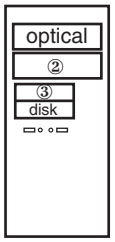


Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, 32-bit PCI 2.3
Slot 4: half-length, full-height, 32-bit PCI 2.3

### Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

### Environmental Features

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

### Preloaded operating system[20]

- Genuine Windows® 7 Professional 32

### Preloaded applications[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

### Accessories

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA® GeForce® 512MB 310 (DP, VGA) | 57Y4397 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service[9]**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):[7]**
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
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- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day[14] toll-free support during the warranty period[1] via 800-426-7378**

See footnotes for important warranty information
US models announced January 15, 2010

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# ThinkCentre® M90p Tower (5852) - GMP (Windows 7)



| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | Cores | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5852-A1U | 4x4 | Core i5-650 | 3.20 | 3.46 | 2 | 2GB | 250GB[2] | None | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | G P | Feb 10 |

- ***Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

| | |
|---|---|
| Positioning | *Ultimate security, stability, and manageability for the enterprise* |
| Processor | **Intel® Core™ i5 Processor i5-650** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache |
| Implementation | Processor in LGA1156 socket |
| Memory | **2GB std**, 8GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; three sockets available |
| Graphics | **Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display |
| DP dongle | None |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in chipset, three SATA connectors for disk and optical |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel Q57 Express Chipset** Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
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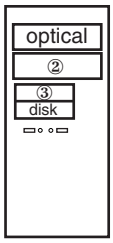
| Ethernet | One gigabit ethernet port, Intel 82578DM, Wake on LAN® |
| Intel AMT | Intel Active Management Technology 6.0 (Intel AMT 6.0) |
| Modem | None |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 85% PSU |

**Tower**

- Business black color; metal case
- 6.9" W X 17.4" D X 16.3" H
- 175mm W X 442mm D X 414mm H
- 24.2 lb (11.0 kg) in max configuration
- Handle on top front
- Power button on top handle
- Toolless cover removal
- Tilted front I/O for easy access
- Toolless disk, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, 32-bit PCI 2.3
Slot 4: half-length, full-height, 32-bit PCI 2.3

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

**Environmental Features**

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| DisplayPort to VGA Monitor Cable | 57Y4393 |
| NVIDIA® GeForce® 512MB 310 (DP, VGA) | 57Y4397 |

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus™ part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**



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# ThinkCentre® M90, M90p Accessories

**Partial list of accessories supported on ThinkCentre M90 and M90p**

## Memory

*Eco Ultra Small 3244/3692/3257/3853/5296 use notebook memory:*

| | | |
|---|---|---|
| 1GB PC3-8500 DDR3 Low-Halogen SODIMM | 55Y3706 | *ann 06/23/09* |
| 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack) | 57Y4385 | *ann 06/23/09* |
| 2GB PC3-8500 DDR3 Low-Halogen SODIMM | 55Y3707 | *ann 06/23/09* |
| 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) | 57Y4386 | *ann 06/23/09* |
| 1GB PC3-10600 DDR3 L-H SODIMM | 55Y3709 | *ann 03/02/10* |
| 1GB PC3-10600 DDR3 L-H SODIMM (25Pack) | 57Y4415 | *ann 03/02/10* |
| 2GB PC3-10600 DDR3 L-H SODIMM | 55Y3710 | *ann 03/02/10* |
| 2GB PC3-10600 DDR3 L-H SODIMM (25Pack) | 57Y4416 | *ann 03/02/10* |
| 4GB PC3-10600 DDR3 L-H SODIMM | 55Y3711 | *ann 03/02/10* |

*Small 3245/5485/3269/5536/5864, and Tower 3246/5474/3282/5498/5852 use desktop memory:*

| | | |
|---|---|---|
| 1GB PC3-10600 DDR3 Low-Halogen UDIMM | 57Y4389 | *ann 01/12/10* |
| 1GB PC3-10600 DDR3 L-H UDIMM (25-Pack) | 57Y4419 | *ann 01/12/10* |
| 2GB PC3-10600 DDR3 Low-Halogen UDIMM | 57Y4390 | *ann 01/12/10* |
| 2GB PC3-10600 DDR3 L-H UDIMM (25-Pack) | 57Y4420 | *ann 01/12/10* |

## Optical

| | | |
|---|---|---|
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] | 41N5618 | *ann 09/26/06* |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 | *ann 09/26/06* |

## Storage and removable storage

| | | |
|---|---|---|
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 | *ann 01/24/06* |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 | *ann 11/06/07* |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 | *ann 08/19/08* |
| USB 2.0 Essential Memory Key 4GB | 45J7904 | *ann 06/24/08* |
| USB 2.0 Essential Memory Key 8GB | 45J7905 | *ann 07/15/08* |
| USB 2.0 Essential Memory Key 32GB | 45K1258 | *ann 10/28/08* |
| USB 2.0 Ultra Secure Memory Key 1GB | 45J5915 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 2GB | 45J5916 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 4GB | 45J5917 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 8GB | 45J5918 | *ann 08/26/08* |
| USB 2.0 Portable 320GB Hard Disk | 45K1689 | *ann 03/17/09* |
| USB 2.0 Portable 500GB Hard Disk | 45K1690 | *ann 05/26/09* |
| USB 2.0 Portable Secure 160GB Hard Disk | 43R2018 | *ann 11/18/08* |
| USB 2.0 Portable Secure 320GB Hard Disk | 43R2019 | *ann 11/18/08* |
| eSATA/USB 2.0 Secure 500GB Hard Drive[53] | 57Y4400 | *ann 01/07/10* |
| USB 2.0 Super Multi-Burner Drive | 41N5565 | *ann 01/23/07* |
| USB 2.0 Portable DVD Burner | 43N3264 | *ann 01/05/10* |

[53] USB-only attach.

## Graphics

*Small 3245/5485/3269/5536/5864 support Low Profile:*

| | | |
|---|---|---|
| NVIDIA® GeForce® 512MB 310 (DP, VGA) | 57Y4397 | *ann 02/02/10* |
| NVIDIA GeForce 310 DMS59 (2-DVI, 2-VGA) | 57Y4167 | *ann 03/02/10* |
| NVIDIA Quadro® 512MB FX 380 LP (DP, DVI) | 57Y4396 | *ann 02/02/10* |

*Tower 3246/5474/3282/5498/5852 support 75 watts max:*

| | | |
|---|---|---|
| NVIDIA GeForce 512MB 310 (DP, VGA) | 57Y4397 | *ann 02/02/10* |
| NVIDIA GeForce 310 DMS59 (2-DVI, 2-VGA) | 57Y4167 | *ann 03/02/10* |

More information at **www.lenovo.com/support/graphiccards**

## Keyboard

| | | |
|---|---|---|
| Preferred Pro USB Keyboard | 73P5220 | *ann 06/21/05* |
| Enhanced Performance USB Keyboard | 73P2620 | *ann 03/23/04* |
| Ultraslim Wireless Keyboard and Mouse[52] | 57Y4700 | *ann 09/15/09* |
| ThinkPad® USB Keyboard with TrackPoint | 55Y9003 | *ann 08/18/09* |
| Lenovo® USB Fingerprint Keyboard | 73P4730 | *ann 02/22/05* |
| Lenovo USB Smartcard Keyboard | 51J0155 | *ann 03/24/09* |

[52] Wireless via 2.4GHz technology using a micro-size USB receiver.

More information at **www.lenovo.com/support/keyboards**

## Mouse

| | | |
|---|---|---|
| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 | *ann 05/19/09* |
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 | *ann 05/19/09* |
| Lenovo Optical Mouse (USB) | 06P4069 | *ann 05/21/03* |
| Lenovo ScrollPoint® Mouse(USB, Optical) | 31P7405 | *ann 08/27/02* |
| Lenovo Laser Mouse (USB) | 41U3074 | *ann 01/23/07* |
| Lenovo Wireless Laser Mouse - Black[52] | 45K1696 | *ann 11/25/08* |
| Lenovo Wireless Laser Mouse - Red/Black[52] | 51J0198 | *ann 11/25/08* |

More information at **www.lenovo.com/support/mice**

## Multimedia

| | | |
|---|---|---|
| USB 2.0 Lenovo Webcam | 40Y8519 | *ann 08/29/06* |
| ThinkPad In-Ear Headphones | 57Y4488 | *ann 01/07/10* |

## Security

| | | |
|---|---|---|
| Kensington® MicroSaver® Cable Lock[56] | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock[56] | 45K1620 | *ann 09/30/08* |
| USB Gemplus GemPC Smart Card Reader | 41N3040 | *ann 02/21/06* |

[56] Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis itself.

## Mounting Device

*Eco Ultra Small 3244/3692/3257/3853/5296 support under desk mounting device:*

| | | |
|---|---|---|
| ThinkCentre Ultra Small Under Desk Mount | 40Y8625 | *ann 09/06/05* |

## Monitors

| | | |
|---|---|---|
| Lenovo D186 Wide 18.5" Monitor | 2580AB1 | *ann 01/12/10* |
| Lenovo L2461x Wide 23.6" Monitor | 4015HB1 | *ann 01/05/10* |
| ThinkVision® L1711p 17" Monitor | 5047HB2 | *ann 10/20/09* |
| ThinkVision L1900p 19" Monitor | 4431HE1 | *ann 11/11/08* |
| ThinkVision L1951p Wide 19" Monitor | 2448HB6 | *ann 10/20/09* |
| ThinkVision L2250p Wide 22" Monitor | 2572HB6 | *ann 10/20/09* |
| ThinkVision L2251p Wide 22" Monitor | 2572HD6 | *ann 10/20/09* |
| ThinkVision L2251x Wide 22" Monitor | 2578HB6 | *ann 10/20/09* |
| ThinkVision L2440p Wide 24" Monitor | 4420HB2 | *ann 09/17/08* |

More information at **www.lenovo.com/thinkvision**

## Monitor Accessories[46]

*Eco Ultra Small 3244/3692/3257/3853/5296 support:*

| | | |
|---|---|---|
| Lenovo Vertical PC and Monitor Stand II | 41R4474 | *ann 01/27/09* |

*All:*

| | | |
|---|---|---|
| Lenovo USB-to-DVI Monitor Adapter | 45K5296 | *ann 05/12/09* |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 | *ann 08/05/08* |
| DisplayPort to VGA Monitor Cable | 57Y4393 | *ann 08/04/09* |
| ThinkVision USB Soundbar | 40Y7616 | *ann 08/23/05* |
| ThinkVision Soundbar | 45K1263 | *ann 09/16/08* |
| Kensington MicroSaver Cable Lock[56] | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock[56] | 45K1620 | *ann 09/30/08* |
| Radial Arm | 19K4464 | *ann 05/05/00* |

[46] Compatible on selected Lenovo and ThinkVision monitors.

More information at **www.lenovo.com/support/monitoraccessories**

## Medialess License Key (MLK)

| | | |
|---|---|---|
| Microsoft® Office 2007 Basic, English | 43R1528 | *ann 07/03/07* |
| Microsoft Office 2007 Small Business, Engl | 43R1534 | *ann 07/03/07* |
| Microsoft Office 2007 Professional, English | 43R1531 | *ann 07/03/07* |

For more information on desktop accessories, please visit:
**www.lenovo.com/support/accessories**
**www.lenovo.com/support/desktopaccessories**
**www.lenovo.com/support/security**

Other accessories at **www.lenovo.com/accessories**

Accessories Guide pdf at **www.lenovo.com/accessoriesguide**

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Lenovo ThinkCentre A58e Tower

Lenovo ThinkCentre A58e Tower with Lenovo ThinkVision monitor

Lenovo ThinkCentre A58e Tower

Lenovo ThinkCentre A58e Tower

Lenovo ThinkCentre A58e Tower

Lenovo ThinkCentre A58e Tower

# ThinkCentre® A58e Tower (0841) - TopSeller (Windows 7)



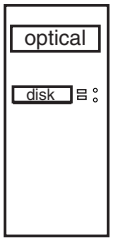
| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Integrated graphics | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A58e** | 0841-A4U | 4x2 | Celeron E3200 | 2.40 | 1MB | 2 | 1GB | 250GB[2] | DVD | GMA 3100 | Pro 32 | None | Jan 10 |
| **A58e** | 0841-A5U | 4x2 | Pentium E5300 | 2.60 | 2MB | 2 | 2GB | 250GB | DVD±RW | GMA 3100 | Pro 32 | None | Jan 10 |
| **A58e** | 0841-A6U | 4x2 | Pentium E5300 | 2.60 | 2MB | 2 | *3GB* | 320GB | DVD±RW | GMA 3100 | Pro 32 | None | Jan 10 |
| **A58e** | 0841-ADU | 4x2 | Pentium E5400 | 2.70 | 2MB | 2 | 2GB | 250GB | DVD±RW | GMA 3100 | Pro 32 | None | Jan 10 |
| **A58e** | 0841-AEU | 4x2 | Pentium E5400 | 2.70 | 2MB | 2 | *3GB* | 320GB | DVD±RW | GMA 3100 | Pro 32 | None | Jan 10 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***Affordable and reliable computing for everyday business tasks***
- ***These models have a 1-year limited warranty[1]***

| | |
|---|---|
| Positioning | *Quality and reliability for small/medium business* |
| Processor | **Intel® Celeron® Processor E3200** with **dual-core**, 800MHz system bus, and 1MB L2 cache or **Intel Pentium® Processor E5300** or **E5400** with **dual-core**, 800MHz system bus, and 2MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB**, **2GB**, or **3GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Italics:* standard memory in both sockets; no sockets avail; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator 3100 (GMA 3100)**, integrated graphics in G31, uses main memory, one analog VGA DB-15 connector |
| SATA disk | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), three SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G31 Express Chipset**; I/O Controller Hub 7 (ICH7) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | None |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057 |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 180 watts, universal, manual switch |

**Tower**

- Business black color; metal case
- 6.9" W X 16.7" D X 14.6" H
- 175mm W X 425mm D X 371mm H
- 19.6 lb (8.9 kg) in typical configuration
- Handle on top front
- Power button on top handle




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCI Express x16
Slot 2: half-length,full-height, PCI Express x1
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Boot sequence control
- Boot without keyboard, mouse

RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Power Manager
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| Lenovo USB-to-DVI Monitor Adapter | 45K5296 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 |
| DispayPort to VGA Monitor Cable | 57Y4393 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |

More accessories on O-A58E sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **1-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **1-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5951)
  - **2-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5949)
  - **2-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5952)
  - **3-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5950)
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5953)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced December 15, 2009

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# ThinkCentre® A58e Accessories

**Partial list of accessories supported on ThinkCentre A58e Tower**

**Memory**

| | | |
|---|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 | *ann 09/26/06* |
| 1GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0549 | *ann 03/17/09* |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 | *ann 01/08/08* |
| 2GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0550 | *ann 03/17/09* |

**Optical**

| | | |
|---|---|---|
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] | 41N5618 | *ann 09/26/06* |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 | *ann 09/26/06* |

**Storage and removable storage**

| | | |
|---|---|---|
| 160GB SATA 3.0Gb/s Disk (7200 rpm) | 09N4254 | *ann 05/19/03* |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 | *ann 01/24/06* |
| USB 2.0 Essential Memory Key 4GB | 45J7904 | *ann 06/24/08* |
| USB 2.0 Essential Memory Key 8GB | 45J7905 | *ann 07/15/08* |
| USB 2.0 Essential Memory Key 32GB | 45K1258 | *ann 10/28/08* |
| USB 2.0 Ultra Secure Memory Key 1GB | 45J5915 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 2GB | 45J5916 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 4GB | 45J5917 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 8GB | 45J5918 | *ann 08/26/08* |
| USB 2.0 Portable 320GB Hard Disk | 45K1689 | *ann 03/17/09* |
| USB 2.0 Portable 500GB Hard Disk | 45K1690 | *ann 05/26/09* |
| USB 2.0 Portable Secure 160GB Hard Disk | 43R2018 | *ann 11/18/08* |
| USB 2.0 Portable Secure 320GB Hard Disk | 43R2019 | *ann 11/18/08* |
| eSATA/USB 2.0 Secure 500GB Hard Drive | 57Y4400 | *ann 01/07/10* |
| USB 2.0 Super Multi-Burner Drive | 41N5565 | *ann 01/23/07* |
| USB 2.0 Portable DVD Burner | 43N3264 | *ann 01/05/10* |

**Graphics**

| | | |
|---|---|---|
| DisplayPort™ to Single-link DVI-D Cable[50] | 45J7915 | *ann 08/05/08* |
| DisplayPort to VGA Monitor Cable[50] | 57Y4393 | *ann 08/04/09* |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 | *ann 11/06/07* |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 | *ann 11/18/08* |
| NVIDIA GeForce 310 DMS59 (2-DVI, 2-VGA) | 57Y4167 | *ann 03/02/10* |

[50] Attaches to the ThinkCentre compatible DisplayPort graphics card.

More information at **www.lenovo.com/support/graphiccards**

**Keyboard**

| | | |
|---|---|---|
| Preferred Pro USB Keyboard | 73P5220 | *ann 06/21/05* |
| Enhanced Performance USB Keyboard | 73P2620 | *ann 03/23/04* |
| Ultraslim Wireless Keyboard and Mouse[52] | 57Y4700 | *ann 09/15/09* |
| Lenovo® USB Fingerprint Keyboard | 73P4730 | *ann 02/22/05* |
| Lenovo USB Smartcard Keyboard | 51J0155 | *ann 03/24/09* |

[52] Wireless via 2.4GHz technology using a micro-size USB receiver.

More information at **www.lenovo.com/support/keyboards**

**Mouse**

| | | |
|---|---|---|
| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 | *ann 05/19/09* |
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 | *ann 05/19/09* |
| Lenovo Optical Mouse (USB) | 06P4069 | *ann 05/21/03* |
| Lenovo ScrollPoint® Mouse (USB, Optical) | 31P7405 | *ann 08/27/02* |
| Lenovo Laser Mouse (USB) | 41U3074 | *ann 01/23/07* |
| Lenovo Wireless Laser Mouse - Black[52] | 45K1696 | *ann 11/25/08* |
| Lenovo Wireless Laser Mouse - Red/Black[52] | 51J0198 | *ann 11/25/08* |

More information at **www.lenovo.com/support/mice**

**Multimedia**

| | | |
|---|---|---|
| USB 2.0 Lenovo Webcam | 40Y8519 | *ann 08/29/06* |
| ThinkPad® In-Ear Headphones | 57Y4488 | *ann 01/07/10* |

**Security**

| | | |
|---|---|---|
| Kensington® MicroSaver® Cable Lock[56] | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock[56] | 45K1620 | *ann 09/30/08* |
| USB Gemplus GemPC Smart Card Reader | 41N3040 | *ann 02/21/06* |

[56] Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis itself.

**Monitors**

| | | |
|---|---|---|
| ThinkVision® L1711p 17" Monitor | 5047HB2 | *ann 10/20/09* |
| ThinkVision L1900p 19" Monitor | 4431HE1 | *ann 11/11/08* |
| ThinkVision L1951p Wide 19" Monitor | 2448HB6 | *ann 10/20/09* |
| ThinkVision L2250p Wide 22" Monitor | 2572HB6 | *ann 10/20/09* |
| ThinkVision L2251p Wide 22" Monitor | 2572HD6 | *ann 10/20/09* |
| ThinkVision L2251x Wide 22" Monitor | 2578HB6 | *ann 10/20/09* |
| ThinkVision L2440p Wide 24" Monitor | 4420HB2 | *ann 09/17/08* |

More information at **www.lenovo.com/thinkvision**

**Monitor Accessories**[46]

| | | |
|---|---|---|
| Lenovo USB-to-DVI Monitor Adapter | 45K5296 | *ann 05/12/09* |
| ThinkVision USB Soundbar | 40Y7616 | *ann 08/23/05* |
| ThinkVision Soundbar | 45K1263 | *ann 09/16/08* |
| Kensington MicroSaver Cable Lock[56] | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock[56] | 45K1620 | *ann 09/30/08* |
| Radial Arm | 19K4464 | *ann 05/05/00* |

[46] Compatible on selected Lenovo and ThinkVision monitors.

More information at **www.lenovo.com/support/monitoraccessories**

**Medialess License Key (MLK)**

| | | |
|---|---|---|
| Microsoft® Office 2007 Basic, English | 43R1528 | *ann 07/03/07* |
| Microsoft Office 2007 Small Business, Engl | 43R1534 | *ann 07/03/07* |
| Microsoft Office 2007 Professional, English | 43R1531 | *ann 07/03/07* |

For more information on desktop accessories, please visit:
**www.lenovo.com/support/accessories**
**www.lenovo.com/support/desktopaccessories**
**www.lenovo.com/support/security**

Other accessories at **www.lenovo.com/accessories**

Accessories Guide pdf at **www.lenovo.com/accessoriesguide**

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ThinkCentre®

Lenovo ThinkCentre A58 Small and
Lenovo ThinkCentre A58 Tower

Lenovo ThinkCentre A58 Small with
Lenovo ThinkVision monitor

Lenovo ThinkCentre A58 Small

Lenovo ThinkCentre A58 Small
with dual Lenovo ThinkVision monitors

Lenovo ThinkCentre A58 Tower

Lenovo ThinkCentre A58 Tower

# ThinkCentre® A58 Small (7522) - TopSeller (XP with Win 7 License)

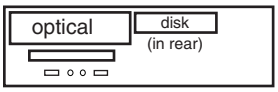


| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A58** | 7522-M8U | 2x3 | Celeron E3200 | 2.40 | 1MB | 2 | 1GB | 250GB[2] | DVD±RW | GMA | XP Pro | None | Nov 09 |
| **A58** | 7522-K6U | 2x3 | Pentium E6300 | 2.80 | 2MB | 2 | 2GB | 250GB | DVD±RW | GMA | XP Pro | None | Nov 09 |
| **A58** | 7522-K7U | 2x3 | Pentium E6300 | 2.80 | 2MB | 2 | *3GB* | 320GB | DVD±RW | GMA | XP Pro | None | Nov 09 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 1-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Quality, reliability, and security for small/medium businesses* |
| Processor | **Intel® Celeron® Processor E3200** with **dual-core**, Virtualization Technology, 800MHz system bus, and 1MB L2 cache or **Intel Pentium® Processor E6300** with **dual-core**, Virtualization Technology, 1066MHz system bus, and 2MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB**, **2GB**, or **3GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Italics:* standard memory in both sockets; no sockets avail; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 512MB *[1GB models]*, 1GB *[2GB or 3GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- Lenovo Care™
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Small Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |

More accessories on O-A58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **1-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **1-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5951)
  - **2-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5949)
  - **2-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5952)
  - **3-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5950)
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5953)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced October 22, 2009

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# ThinkCentre® A58 Small (7522) - TopSeller (Windows 7)

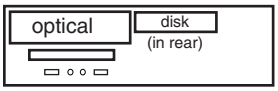


| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory[8] | SATA disk | SATA optical | Graphics | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A58** | 7522-M9U | 2x3 | Celeron E3200 | 2.40 | 1MB | 2 | 1GB | 250GB[2] | DVD±RW | GMA | Pro 32 | None | Nov 09 |
| **A58** | 7522-P1U | 2x3 | Pentium E5300 | 2.60 | 2MB | 2 | 2GB | 250GB | DVD±RW | GMA | Pro 32 | None | Nov 09 |
| **A58** | 7522-P2U | 2x3 | Pentium E5300 | 2.60 | 2MB | 2 | *3GB* | 320GB | DVD±RW | GMA | Pro 32 | None | Nov 09 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 1-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Quality, reliability, and security for small/medium businesses* |
| Processor | **Intel® Celeron® Processor E3200** with **dual-core**, Virtualization Tehnology, 800MHz system bus, and 1MB L2 cache or **Intel Pentium® Processor E5300** with **dual-core**, 800MHz system bus, and 2MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB**, **2GB**, or **3GB std**, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets;<br>*Italics:* standard memory in both sockets; no sockets avail;<br>*Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory (up to 253MB *[1GB models]*, 765MB *[2GB models]*, or 1277MB *[3GB models]*), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter |
| SATA disk | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in ICH7 |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), two SATA connectors on planar |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **Intel G41 Express Chipset** (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3, USB, LPC bus) |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing |

**Small**




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk
Bay ③ 3.5", .5" high, access, open (reader)

Slot 1: Low Profile, PCI Express x16 (35w max)
Slot 2: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 12.5" W X 14.0" D X 3.9" H
- 317mm W X 355mm D X 99mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk, optical drive removal
- Toolless adapter retention
- Toolless systemboard retention
- System floor stand for vertical orientation

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
  - optional cable also locks the cover by deactivating the cover release buttons
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Small Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| DisplayPort to Single-link DVI-D Cable | 45J7915 |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® Quadro® 256MB FX 370 LP | 55Y9275 |

More accessories on O-A58 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **1-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **1-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5951)
  - **2-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5949)
  - **2-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5952)
  - **3-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5950)
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5953)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced October 22, 2009

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# ThinkCentre® A58 Accessories

**Partial list of accessories supported on ThinkCentre A58**

## Memory

| | | |
|---|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 | *ann 09/26/06* |
| 1GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0549 | *ann 03/17/09* |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 | *ann 01/08/08* |
| 2GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0550 | *ann 03/17/09* |

## Optical

| | | |
|---|---|---|
| *All:* | | |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] | 41N5618 | *ann 09/26/06* |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 | *ann 09/26/06* |
| *Tower 7515/7611 supports:* | | |
| Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 | *ann 03/31/09* |

## Storage and removable storage

| | | |
|---|---|---|
| 160GB SATA 3.0Gb/s Disk (7200 rpm) | 09N4254 | *ann 05/19/03* |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 | *ann 01/24/06* |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 | *ann 11/06/07* |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 | *ann 08/19/08* |
| USB 2.0 Essential Memory Key 4GB | 45J7904 | *ann 06/24/08* |
| USB 2.0 Essential Memory Key 8GB | 45J7905 | *ann 07/15/08* |
| USB 2.0 Essential Memory Key 32GB | 45K1258 | *ann 10/28/08* |
| USB 2.0 Ultra Secure Memory Key 1GB | 45J5915 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 2GB | 45J5916 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 4GB | 45J5917 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 8GB | 45J5918 | *ann 08/26/08* |
| USB 2.0 Portable 320GB Hard Disk | 45K1689 | *ann 03/17/09* |
| USB 2.0 Portable 500GB Hard Disk | 45K1690 | *ann 05/26/09* |
| USB 2.0 Portable Secure 160GB Hard Disk | 43R2018 | *ann 11/18/08* |
| USB 2.0 Portable Secure 320GB Hard Disk | 43R2019 | *ann 11/18/08* |
| eSATA/USB 2.0 Secure 500GB Hard Drive | 57Y4400 | *ann 01/07/10* |
| USB 2.0 Super Multi-Burner Drive | 41N5565 | *ann 01/23/07* |
| USB 2.0 Portable DVD Burner | 43N3264 | *ann 01/05/10* |

## Graphics

| | | |
|---|---|---|
| *Small 7522/7705 support Low Profile 35 watts max:* | | |
| DisplayPort™ to Single-link DVI-D Cable[50] | 45J7915 | *ann 08/05/08* |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 | *ann 11/06/07* |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 | *ann 11/18/08* |
| NVIDIA® Quadro® 256MB FX 370 Low-Profile | 55Y9275 | *ann 07/28/09* |
| NVIDIA GeForce® 310 DMS59(2-DVI, 2-VGA) | 57Y4167 | *ann 03/02/10* |
| *Tower 7515/7611 supports 75 watts max:* | | |
| DisplayPort to Single-link DVI-D Cable[50] | 45J7915 | *ann 08/05/08* |
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 | *ann 11/06/07* |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 | *ann 11/18/08* |
| NVIDIA GeForce 9500GT 512MB (DP, DVI) | 45K1635 | *ann 11/18/08* |
| NVIDIA GeForce 310 DMS59 (2-DVI, 2-VGA) | 57Y4167 | *ann 03/02/10* |

[50] Attaches to the ThinkCentre compatible DisplayPort graphics card.

More information at **www.lenovo.com/support/graphiccards**

## Keyboard

| | | |
|---|---|---|
| Preferred Pro USB Keyboard | 73P5220 | *ann 06/21/05* |
| Preferred Pro Full Size PS/2 Keyboard | 31P7415 | *ann 06/04/02* |
| Enhanced Performance USB Keyboard | 73P2620 | *ann 03/23/04* |
| Ultraslim Wireless Keyboard and Mouse[52] | 57Y4700 | *ann 09/15/09* |
| Lenovo® USB Fingerprint Keyboard | 73P4730 | *ann 02/22/05* |
| Lenovo USB Smartcard Keyboard | 51J0155 | *ann 03/24/09* |

[52] Wireless via 2.4GHz technology using a micro-size USB receiver.

More information at **www.lenovo.com/support/keyboards**

## Mouse

| | | |
|---|---|---|
| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 | *ann 05/19/09* |
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 | *ann 05/19/09* |
| Lenovo Optical Mouse (USB) | 06P4069 | *ann 05/21/03* |
| Lenovo ScrollPoint® Mouse (USB, Optical) | 31P7405 | *ann 08/27/02* |
| Lenovo Laser Mouse (USB) | 41U3074 | *ann 01/23/07* |
| Lenovo Wireless Laser Mouse - Black[52] | 45K1696 | *ann 11/25/08* |
| Lenovo Wireless Laser Mouse - Red/Black[52] | 51J0198 | *ann 11/25/08* |

More information at **www.lenovo.com/support/mice**

## Multimedia

| | | |
|---|---|---|
| USB 2.0 Lenovo Webcam | 40Y8519 | *ann 08/29/06* |
| ThinkPad® In-Ear Headphones | 57Y4488 | *ann 01/07/10* |

## Security

| | | |
|---|---|---|
| Kensington® MicroSaver® Cable Lock[56] | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock[56] | 45K1620 | *ann 09/30/08* |
| USB Gemplus GemPC Smart Card Reader | 41N3040 | *ann 02/21/06* |

[56] Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis itself.

## Monitors

| | | |
|---|---|---|
| ThinkVision® L1711p 17" Monitor | 5047HB2 | *ann 10/20/09* |
| ThinkVision L1900p 19" Monitor | 4431HE1 | *ann 11/11/08* |
| ThinkVision L1951p Wide 19" Monitor | 2448HB6 | *ann 10/20/09* |
| ThinkVision L2250p Wide 22" Monitor | 2572HB6 | *ann 10/20/09* |
| ThinkVision L2251p Wide 22" Monitor | 2572HD6 | *ann 10/20/09* |
| ThinkVision L2251x Wide 22" Monitor | 2578HB6 | *ann 10/20/09* |
| ThinkVision L2440p Wide 24" Monitor | 4420HB2 | *ann 09/17/08* |

More information at **www.lenovo.com/thinkvision**

## Monitor Accessories[46]

| | | |
|---|---|---|
| Lenovo USB-to-DVI Monitor Adapter | 45K5296 | *ann 05/12/09* |
| ThinkVision USB Soundbar | 40Y7616 | *ann 08/23/05* |
| ThinkVision Soundbar | 45K1263 | *ann 09/16/08* |
| Kensington MicroSaver Cable Lock[56] | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock[56] | 45K1620 | *ann 09/30/08* |
| Radial Arm | 19K4464 | *ann 05/05/00* |

[46] Compatible on selected Lenovo and ThinkVision monitors.

More information at **www.lenovo.com/support/monitoraccessories**

## Medialess License Key (MLK)

| | | |
|---|---|---|
| Microsoft® Office 2007 Basic, English | 43R1528 | *ann 07/03/07* |
| Microsoft Office 2007 Small Business, Engl | 43R1534 | *ann 07/03/07* |
| Microsoft Office 2007 Professional, English | 43R1531 | *ann 07/03/07* |

For more information on desktop accessories, please visit:
**www.lenovo.com/support/accessories**
**www.lenovo.com/support/desktopaccessories**
**www.lenovo.com/support/security**

Other accessories at **www.lenovo.com/accessories**

Accessories Guide pdf at **www.lenovo.com/accessoriesguide**

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ThinkCentre®

Lenovo ThinkCentre A62 Desktop
with four Lenovo ThinkVision monitors

Lenovo ThinkCentre A62 Tower

Lenovo ThinkCentre A62 Desktop

Lenovo ThinkCentre A62 Tower and
Lenovo ThinkCentre A62 Desktop

Lenovo ThinkCentre A62 Desktop
with Lenovo ThinkVision L193p monitor

Lenovo ThinkCentre A62 Tower
with Lenovo ThinkVision L193p monitor

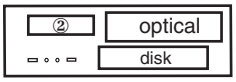
# ThinkCentre® A62 Desktop (9945) - TopSeller

| | Name | Type-model | Slot x bay | AMD processor | GHz | Core | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor connectors | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ☞ | **A62** | 9945-A6U | 4x3 | Sempron LE-1300 | 2.3 | Single | 1GB | 160GB[2] | DVD±RW | 3100 | VGA, DVI-D | XP Pro | None | Jul 09 |
| ☞ | **A62** | 9945-A5U | 4x3 | Athlon 1640B | 2.7 | Single | 1GB | 160GB | DVD | 3100 | VGA, DVI-D | XP Pro | None | Jul 09 |
| ☞ | **A62** | 9945-A7U | 4x3 | Athlon X2 5000B | 2.6 | Dual | 1GB | 250GB | DVD | 3100 | VGA, DVI-D | XP Pro | None | Jul 09 |
| | **A62** | 9945-A3U | 4x3 | Athlon X2 5000B | 2.6 | Dual | 2GB | 160GB | DVD±RW | 3100 | VGA, DVI-D | XP Pro | None | Jun 09 |
| ☞ | **A62** | 9945-A8U | 4x3 | Athlon X2 5400B | 2.8 | Dual | 1GB | 160GB | DVD±RW | 3100 | VGA, DVI-D | XP Pro | None | Jul 09 |
| ☞ | **A62** | 9945-A9U | 4x3 | Phenom X3 8600B | 2.3 | Triple | 2GB | 250GB | DVD±RW | 3100 | VGA, DVI-D | XP Pro | None | Jul 09 |
| | **A62** | 9945-A4U | 4x3 | Phenom X3 8600B | 2.3 | Triple | *4GB* | 500GB | DVD±RW | 3100 | VGA, DVI-D | XP Pro | None | Jun 09 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Quality, reliability, and manageability for small/medium businesses* |
| Processor | **AMD® Sempron™ Processor LE-1300** with single-core, integrated DDR2 memory controller, and 512KB L2 cache or **AMD Athlon™ Processor 1640B** with single-core, virtualization technology, int DDR2 memory controller, and 512KB L2 cache or **AMD Athlon X2 Dual-Core Processor 5000B** or **5400B** with **dual-core**, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache or **AMD Phenom™ X3 Triple-Core Processor 8600B** with **triple-core**, virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache |
| Implementation | Processor in Socket AM2 or AM2+ |
| Memory | **1GB**, **2GB**, or **4GB std**, 8GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available |
| Graphics | **ATI™ Radeon™ 3100**, integrated graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 independent monitors with optional dual-head ATI graphics adapter |
| SATA disk | **160GB**, **250GB**, or **500GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors on planar |
| eSATA port | None |
| EIDE controller | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **AMD 780V Chipset** with HyperTransport™ 3.0 and PCI Express® 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0 |
| Modem | None |
| Security chip | Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 220 watts with variable speed fan, manual switch |

### Desktop




- Business black color
- 13.0" W X 16.2" D X 4.1" H
- 331mm W X 412mm D X 104mm H
- 19.4lb (8.8kg) in typical configuration
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention

Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, access, open*
Bay ③ 3.5", 1" high, no access, std disk

* supports reader/diskette/2nd disk

Slot 1: Low Profile, PCI Express 2.0 x1
Slot 2: Low Profile, PCI Express 2.0 x16 (35w max)
Slot 3: Low Profile, 32-bit PCI 2.3
Slot 4: Low Profile, 32-bit PCI 2.3

### Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

### Preloaded operating system[20]

- Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)

### Preloaded applications[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

### Accessories

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |

More accessories on O-A62 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5955)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5956)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5957)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5958)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5959)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
☞ US models announced July 7, 2009; previous models on June 2, 2009

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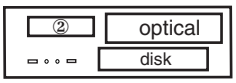
# ThinkCentre® A62 Desktop (9486)

| Name | Type-model | Slot x bay | AMD processor | GHz | Core | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A62** | 9486-F1U | 4x3 | Athlon 1640B | 2.7 | Single | 1GB | 160GB[2] | DVD | 3100 | VGA, DVI-D | XP Pro | None | Sep 08 |
| **A62** | 9486-F2U | 4x3 | Athlon X2 5000B | 2.6 | Dual | 1GB | 160GB | DVD | 3100 | VGA, DVI-D | XP Pro | None | Sep 08 |
| **A62** | 9486-F3U | 4x3 | Athlon X2 5000B | 2.6 | Dual | 1GB | 160GB | DVD±RW | 3100 | VGA, DVI-D | XP Pro | None | Sep 08 |
| **A62** | 9486-F4U | 4x3 | Athlon X2 5000B | 2.6 | Dual | *2GB* | 160GB | DVD±RW | 3100 | VGA, DVI-D | XP Pro | None | Sep 08 |
| ☞ **A62** | 9486-J8U | 4x3 | Athlon X2 5000B | 2.6 | Dual | 2GB | 160GB | DVD±RW | 3100 | VGA, DVI-D | XP Pro | None | Jun 09 |
| ✂ **A62** | 9486-F5U | 4x3 | Athlon X2 5000B | 2.6 | Dual | *2GB* | 250GB | DVD±RW | ***9300GE*** | DVI-I | XP Pro | None | Sep 08 |
| **A62** | 9486-F6U | 4x3 | Athlon X2 5400B | 2.8 | Dual | 1GB | 160GB | DVD | 3100 | VGA, DVI-D | XP Pro | None | Sep 08 |
| **A62** | 9486-F7U | 4x3 | Athlon X2 5400B | 2.8 | Dual | *2GB* | 250GB | DVD±RW | 3100 | VGA, DVI-D | XP Pro | None | Sep 08 |
| ✂ **A62** | 9486-F8U | 4x3 | Phenom X3 8450 | 2.1 | Triple | 1GB | 250GB | DVD | 3100 | VGA, DVI-D | XP Pro | None | Sep 08 |
| ✂ **A62** | 9486-F9U | 4x3 | Phenom X3 8450 | 2.1 | Triple | *2GB* | 160GB | DVD±RW | ***9300GE*** | DVI-I | XP Pro | None | Sep 08 |
| ☞ **A62** | 9486-J6U | 4x3 | Phenom X3 8600B | 2.3 | Triple | 1GB | 160GB | DVD | 3100 | VGA, DVI-D | XP Pro | None | Jun 09 |
| ☞ **A62** | 9486-J7U | 4x3 | Phenom X3 8600B | 2.3 | Triple | 2GB | 160GB | DVD±RW | 3100 | VGA, DVI-D | XP Pro | None | Jun 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Stability and manageability for large enterprise and mid-market* |
| Processor | **AMD® Athlon™ Processor 1640B** with single-core, virtualization technology, int DDR2 memory controller, and 512KB L2 cache or **AMD Athlon X2 Dual-Core Processor 5000B** or **5400B** with **dual-core**, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache or **AMD Phenom™ X3 Triple-Core Processor 8450** or **8600B** with **triple-core**, virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache |
| Implementation | Processor in Socket AM2 or AM2+ |
| Memory | **1GB** or **2GB std**, 8GB max[8], four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available;<br>*F8U/F9U:* **PC2-5300 667MHz DDR2**, non-parity, dual-channel;<br>*Others:* **PC2-6400 800MHz DDR2**, non-parity, dual-channel |
| Graphics | *Some:* **ATI™ Radeon™ 3100**, int graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D conn, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 monitors with optional dual-head ATI graphics adapter<br>*Some:* **NVIDIA® GeForce® 9300 GE**, PCI Express® x16 adapter, 256MB, one DVI-I connector (includes DVI-to-VGA dongle), S-Video out for TV-out, HDCP, DirectX 10, 30 watts |
| SATA disk | **160GB** or **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors on planar |
| eSATA port | None |
| EIDE controller | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **AMD 780V Chipset** with HyperTransport™ 3.0 and PCI Express 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45),<br>*F5U/F9U:* monitor (DVI-I), S-Video out;<br>*Others:* monitor (VGA DB-15, DVI-D) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0 |
| Modem | None |
| Security chip | Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 220 watts with variable speed fan, manual switch |

## Desktop




- Business black color
- 13.0" W X 16.2" D X 4.1" H
- 331mm W X 412mm D X 104mm H
- 19.4lb (8.8kg) in typical configuration
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention

Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, access, open*
Bay ③ 3.5", 1" high, no access, std disk

* supports reader/diskette/2nd disk

Slot 1: Low Profile, PCI Express 2.0 x1
Slot 2: Low Profile, PCI Express 2.0 x16 (35w max)**
Slot 3: Low Profile, 32-bit PCI 2.3
Slot 4: Low Profile, 32-bit PCI 2.3

** used in some models

## Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

## Preloaded operating system[20]

- Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)

## Preloaded applications[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- McAfee® VirusScan® Plus (30-day)
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

## Accessories

| | |
|---|---|
| 1GB PC2-5300 CL5 DDR2 UDIMM | 73P4984 |
| 2GB PC2-5300 CL5 DDR2 UDIMM | 73P4985 |
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |

More accessories on O-A62 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

## Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5955)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5956)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5957)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5958)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5959)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1]

See footnotes for important warranty information
☞ US models announced June 2, 2009; previous models on September 9, 2008
✂ US models withdrawn effective July or August 2009

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# ThinkCentre® A62 Desktop (9486) - July 2009

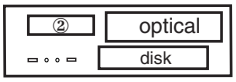


| Name | Type-model | Slot x bay | AMD processor | GHz | Core | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A62** | 9486-K1U | 4x3 | Athlon X2 5400B | 2.8 | Dual | 2GB | 250GB[2] | DVD±RW | 3100 | VGA, DVI-D | XP Pro | Educ | Jul 09 |
| **A62** | 9486-J9U | 4x3 | Phenom X3 8600B | 2.3 | Triple | 2GB | 250GB | DVD±RW | 3100 | VGA, DVI-D | XP Pro | Educ | Jul 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Stability and manageability for large enterprise and mid-market* |
| Processor | **AMD® Athlon™ X2 Dual-Core Processor 5400B** with **dual-core**, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache or **AMD Phenom™ X3 Triple-Core Processor 8600B** with **triple-core**, virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache |
| Implementation | Processor in Socket AM2 or AM2+ |
| Memory | **2GB std**, 8GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; three sockets available |
| Graphics | **ATI™ Radeon™ 3100**, integrated graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 independent monitors with optional dual-head ATI graphics adapter |
| SATA disk | **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors on planar |
| eSATA port | None |
| EIDE controller | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **AMD 780V Chipset** with HyperTransport™ 3.0 and PCI Express® 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0 |
| Modem | None |
| Security chip | Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 220 watts with variable speed fan, manual switch |

### Desktop




- Business black color
- 13.0" W X 16.2" D X 4.1" H
- 331mm W X 412mm D X 104mm H
- 19.4lb (8.8kg) in typical configuration
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention

Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, access, open*
Bay ③ 3.5", 1" high, no access, std disk

* supports reader/diskette/2nd disk

Slot 1: Low Profile, PCI Express 2.0 x1
Slot 2: Low Profile, PCI Express 2.0 x16 (35w max)
Slot 3: Low Profile, 32-bit PCI 2.3
Slot 4: Low Profile, 32-bit PCI 2.3

### Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
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- Serial port I/O control
- Parallel port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

### Preloaded operating system[20]

- Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)

### Preloaded applications[5]

- Education software
  - VitalSource™ Library School Edition
  - Adobe® Elements
    - Photoshop Elements 6
    - Premiere Elements 4
- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

### Accessories

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |

More accessories on O-A62 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

### Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5955)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5956)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5957)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5958)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5959)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**



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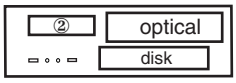
# ThinkCentre® A62 Desktop (9486) - Vista®

| Name | Type-model | Slot x bay | AMD processor | GHz | Core | Memory[8] | SATA disk | SATA optical | Graphics | Monitor connectors | Vista preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A62** | 9486-E6U | 4x3 | Sempron LE-1300 | 2.3 | Single | 1GB | 160GB[2] | DVD±RW | 3100 | VGA, DVI-D | Business32 | Educ | Sep 08 |
| **A62** | 9486-A4U | 4x3 | Athlon 1640B | 2.7 | Single | 1GB | 160GB | DVD | 3100 | VGA, DVI-D | Business32 | | Sep 08 |
| ✂ **A62** | 9486-H9U | 4x3 | Athlon X2 4450B | 2.3 | Dual | 1GB | 160GB | DVD±RW | 3100 | VGA, DVI-D | Business32 | Educ | Sep 08 |
| ✂ **A62** | 9486-H8U | 4x3 | Athlon X2 4450B | 2.3 | Dual | *2GB* | 160GB | DVD±RW | 3100 | VGA, DVI-D | Business32 | | Sep 08 |
| ✂ **A62** | 9486-H7U | 4x3 | Athlon X2 4450B | 2.3 | Dual | 1GB | 160GB | DVD | 3100 | VGA, DVI-D | Business32 | | Sep 08 |
| ✂ **A62** | 9486-H6U | 4x3 | Athlon X2 4450B | 2.3 | Dual | 1GB | 160GB | DVD±RW | ***9300GE*** | DVI-I | Business32 | | Sep 08 |
| **A62** | 9486-A3U | 4x3 | Athlon X2 5000B | 2.6 | Dual | 1GB | 160GB | DVD±RW | 3100 | VGA, DVI-D | Business32 | | Sep 08 |
| **A62** | 9486-A1U | 4x3 | Athlon X2 5400B | 2.8 | Dual | *2GB* | 160GB | DVD±RW | 3100 | VGA, DVI-D | Business32 | | Sep 08 |
| **A62** | 9486-A2U | 4x3 | Phenom X3 8600B | 2.3 | Triple | 2GB | 160GB | DVD±RW | 3100 | VGA, DVI-D | Business64 | | Sep 08 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Stability and manageability for large enterprise and mid-market* |
| Processor | **AMD® Sempron™ Processor LE-1300** with single-core, integrated DDR2 memory controller, and 512KB L2 cache or **AMD Athlon™ Processor 1640B** with single-core, virtualization technology, int DDR2 memory controller, and 512KB L2 cache or **AMD Athlon X2 Dual-Core Processor 4450B**, **5000B**, or **5400B** with **dual-core**, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache or **AMD Phenom™ X3 Triple-Core Processor 8600B** with **triple-core**, virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache |
| Implementation | Processor in Socket AM2 or AM2+ |
| Memory | **1GB** or **2GB std**, 8GB max[8], four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available;<br>*H8U/H9U:* **PC2-5300 667MHz DDR2**, non-parity, dual-channel;<br>*Others:* **PC2-6400 800MHz DDR2**, non-parity, dual-channel |
| Graphics | *Some:* **ATI™ Radeon™ 3100**, integrated graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 monitors with optional dual-head ATI graphics adapter<br>*Some:* **NVIDIA® GeForce® 9300 GE**, PCI Express® x16 adapter, 256MB, one DVI-I connector (includes DVI-to-VGA dongle), S-Video out for TV-out, HDCP, DirectX 10, 30 watts |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors on planar |
| eSATA port | None |
| EIDE controller | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **AMD 780V Chipset** with HyperTransport™ 3.0 and PCI Express 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45),<br>*H6U:* monitor (DVI-I), S-Video out;<br>*Others:* monitor (VGA DB-15, DVI-D) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0 |
| Modem | None |
| Security chip | Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 220 watts with variable speed fan, manual switch |

## Desktop




- Business black color
- 13.0" W X 16.2" D X 4.1" H
- 331mm W X 412mm D X 104mm H
- 19.4lb (8.8kg) in typical configuration
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention

Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, access, open*
Bay ③ 3.5", 1" high, no access, std disk

* supports reader/diskette/2nd disk

Slot 1: Low Profile, PCI Express 2.0 x1
Slot 2: Low Profile, PCI Express 2.0 x16 (35w max)**
Slot 3: Low Profile, 32-bit PCI 2.3
Slot 4: Low Profile, 32-bit PCI 2.3

** used in some models

## Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

## Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5955)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5956)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5957)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5958)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5959)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

## Preloaded operating system[20]

- *Some:* Genuine Windows® Vista® Business 32
- *Some:* Genuine Windows Vista Business 64

✧ Vista Premium logo

**Preloaded applications**[5] (all OSes; only some listed)

- *Some:* Education software
  - VitalSource™ Library School Edition
  - Adobe® Elements
    - Photoshop Elements 6
    - Premiere Elements 4
- Rescue and Recovery™

## Accessories

| | |
|---|---|
| 1GB PC2-5300 CL5 DDR2 UDIMM | 73P4984 |
| 2GB PC2-5300 CL5 DDR2 UDIMM | 73P4985 |
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |

More accessories on O-A62 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

See footnotes for important warranty information
US models announced August 12 or September 9, 2008
✂ US models withdrawn effective July 2009

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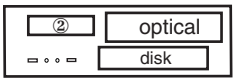
# ThinkCentre® A62 Desktop (7057)

| | Name | Type-model | Slot x bay | AMD processor | GHz | Core | Memory[8] | SATA disk | SATA optical | Integrated graphics | Monitor connectors | ENERGY STAR 5.0 | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ✂ | A62 | 7057-B5U | 4x3 | Athlon X2 5000B | 2.6 | Dual | 1GB | 160GB[2] | DVD | 3100 | VGA, DVI-D | None | XP Pro | None | Sep 08 |
| ✂ | A62 | 7057-B6U | 4x3 | Athlon X2 5000B | 2.6 | Dual | *2GB* | 160GB | DVD±RW | 3100 | VGA, DVI-D | None | XP Pro | None | Sep 08 |
| ✂ | A62 | 7057-B7U | 4x3 | Athlon X2 5400B | 2.8 | Dual | *2GB* | 250GB | DVD±RW | 3100 | VGA, DVI-D | None | XP Pro | None | Sep 08 |
| ✂ | A62 | 7057-B8U | 4x3 | Phenom X3 8450 | 2.1 | Triple | 1GB | 160GB | DVD | 3100 | VGA, DVI-D | None | XP Pro | None | Dec 08 |
| | A62 | 7057-A3U | 4x3 | Athlon 1640B | 2.7 | Single | 1GB | 160GB | DVD | 3100 | VGA, DVI-D | None | Bus32 | None | Sep 08 |
| ✂ | A62 | 7057-BBU | 4x3 | Athlon X2 4450B | 2.3 | Dual | 1GB | 160GB | DVD | 3100 | VGA, DVI-D | None | Bus32 | None | Sep 08 |
| | A62 | 7057-A2U | 4x3 | Athlon X2 5000B | 2.6 | Dual | 1GB | 160GB | DVD±RW | 3100 | VGA, DVI-D | None | Bus32 | None | Sep 08 |
| ☞ | A62 | 7057-A1U | 4x3 | Phenom X3 8600B | 2.3 | Triple | 2GB | 160GB | DVD±RW | 3100 | VGA, DVI-D | None | Bus64 | None | Dec 08 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Stability and manageability for large enterprise and mid-market* |
| Processor | **AMD® Athlon™ Processor 1640B** with single-core, virtualization technology, int DDR2 memory controller, and 512KB L2 cache or **AMD Athlon X2 Dual-Core Processor 4450B**, **5000B**, or **5400B** with **dual-core**, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache or **AMD Phenom™ X3 Triple-Core Processor 8450** or **8600B** with **triple-core**, virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache |
| Implementation | Processor in Socket AM2 or AM2+ |
| Memory | **1GB** or **2GB std**, 8GB max[8], four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available;<br>*Others:* **PC2-5300 667MHz DDR2**, non-parity, dual-channel capable;<br>*Axx:* **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable |
| Graphics | **ATI™ Radeon™ 3100**, integrated graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 independent monitors with optional dual-head ATI graphics adapter |
| SATA disk | **160GB** or **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors on planar |
| eSATA port | None |
| EIDE controller | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **AMD 780V Chipset** with HyperTransport™ 3.0 and PCI Express® 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0 |
| Modem | None |
| Security chip | Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 220 watts with variable speed fan, autosensing, 80% PSU |

## Desktop




- Business black color
- 13.0" W X 16.2" D X 4.1" H
- 331mm W X 412mm D X 104mm H
- 19.4lb (8.8kg) in typical configuration
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention

Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, access, open*
Bay ③ 3.5", 1" high, no access, std disk

* supports reader/diskette/2nd disk

Slot 1: Low Profile, PCI Express 2.0 x1
Slot 2: Low Profile, PCI Express 2.0 x16 (35w max)
Slot 3: Low Profile, 32-bit PCI 2.3
Slot 4: Low Profile, 32-bit PCI 2.3

## Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

## Preloaded operating system[20]

- *Some:* Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)
- *Some:* Genuine Windows Vista Business 32
- *Some:* Genuine Windows Vista Business 64
- ✧ *Vista models:* Vista Premium logo

## Preloaded applications[5] (all OSes; only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- McAfee® VirusScan® Plus (30-day)
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

## Accessories

| | |
|---|---|
| 1GB PC2-5300 CL5 DDR2 UDIMM | 73P4984 |
| 2GB PC2-5300 CL5 DDR2 UDIMM | 73P4985 |
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |

More accessories on O-A62 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessorie

## Limited Warranty[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5955)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5956)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5957)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5958)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5959)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
☞ US models announced December 9, 2008; previous models on August 12 or September 9, 2008
✂ US models withdrawn effective July, August, or November 2009

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# ThinkCentre® A62 Tower (9485)

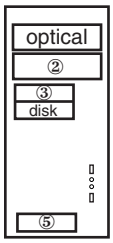
| | Name | Type-model | Slot x bay | AMD processor | GHz | Core | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Monitor connectors | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ✂ | **A62** | 9485-E4U | 4x5 | Athlon 1640B | 2.7 | Single | 1GB | 160GB[2] | Bay | DVD | 3100 | VGA, DVI-D | XP Pro | None | Sep 08 |
| ✂ | **A62** | 9485-E5U | 4x5 | Athlon X2 5000B | 2.6 | Dual | 1GB | 160GB | Bay | DVD | 3100 | VGA, DVI-D | XP Pro | None | Sep 08 |
| ✂ | **A62** | 9485-E6U | 4x5 | Athlon X2 5000B | 2.6 | Dual | 1GB | 160GB | Bay | DVD±RW | 3100 | VGA, DVI-D | XP Pro | None | Sep 08 |
| ✂ | **A62** | 9485-E7U | 4x5 | Athlon X2 5000B | 2.6 | Dual | *2GB* | 160GB | Bay | DVD±RW | 3100 | VGA, DVI-D | XP Pro | None | Sep 08 |
| ✂ | **A62** | 9485-E8U | 4x4 | Athlon X2 5400B | 2.8 | Dual | 1GB | 250GB | | DVD | 3100 | VGA, DVI-D | XP Pro | None | Sep 08 |
| ✂ | **A62** | 9485-E9U | 4x5 | Athlon X2 5400B | 2.8 | Dual | *2GB* | 250GB | Bay | DVD±RW | 3100 | VGA, DVI-D | XP Pro | None | Sep 08 |
| ✂ | **A62** | 9485-F1U | 4x5 | Phenom X3 8450 | 2.1 | Triple | 1GB | 160GB | Bay | DVD | 3100 | VGA, DVI-D | XP Pro | None | Sep 08 |
| ✂ | **A62** | 9485-F2U | 4x5 | Phenom X3 8450 | 2.1 | Triple | *2GB* | 160GB | Bay | DVD±RW | ***9300GE*** | VGA, DVI-I | XP Pro | None | Sep 08 |
| ☞ | **A62** | 9485-H8U | 4x5 | Phenom X3 8600B | 2.3 | Triple | 2GB | 160GB | Bay | DVD±RW | 3100 | VGA, DVI-D | XP Pro | None | Jun 09 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Stability and manageability for large enterprise and mid-market* |
| Processor | **AMD® Athlon™ Processor 1640B** with single-core, virtualization technology, int DDR2 memory controller, and 512KB L2 cache or **AMD Athlon X2 Dual-Core Processor 5000B** or **5400B** with **dual-core**, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache or **AMD Phenom™ X3 Triple-Core Processor 8450** or **8600B** with **triple-core**, virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache |
| Implementation | Processor in Socket AM2 or AM2+ |
| Memory | **1GB** or **2GB std**, 8GB max[8], four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available;<br>*H8U:* **PC2-6400 800MHz DDR2**, non-parity, dual-channel;<br>*Others:* **PC2-5300 667MHz DDR2**, non-parity, dual-channel |
| Graphics | *Some:* **ATI™ Radeon™ 3100**, int graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D conn, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 monitors with optional dual-head ATI graphics adapter<br>*Some:* **NVIDIA® GeForce® 9300 GE**, PCI Express® x16 adapter, 256MB, one analog VGA DB-15 conn via cable, one DVI-I conn, S-Video out for TV-out, HDCP, DirectX 10, 30 watts |

**Tower**

- Business black color
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2lb (11.0kg) in typical configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




| | | | |
|---|---|---|---|
| Bay ① | 5.25", 1.6" high, | access, | std optical |
| Bay ② | 5.25", 1.6" high, | access, | open |
| Bay ③ | 3.5", 1" high, | access, | open (reader/diskette) |
| Bay ④ | 3.5", 1" high, | no access, | std disk |
| Bay ⑤ | 3.5", 1" high, | no access, | opt disk* |

* 2nd Disk Bay is only available on some models

Slot 1: half-length,full-height, PCIe 2.0 x1
Slot 2: half-length,full-height, PCIe 2.0 x16 (75w max)**
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

** used in some models

| | |
|---|---|
| SATA disk | **160GB** or **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors on planar |
| eSATA port | None |
| EIDE controller | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **AMD 780V Chipset** with HyperTransport™ 3.0 and PCI Express 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45),<br>*F2U:* monitor (VGA DB-15, DVI-I), S-Video out;<br>*Others:* monitor (VGA DB-15, DVI-D) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0 |
| Modem | None |
| Security chip | Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® Microsaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)

**Preloaded applications**[5] (only some listed)

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- McAfee® VirusScan® Plus (30-day)
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-5300 CL5 DDR2 UDIMM | 73P4984 |
| 2GB PC2-5300 CL5 DDR2 UDIMM | 73P4985 |
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |

More accessories on O-A62 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessorie

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5955)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5956)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5957)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5958)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5959)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1]

See footnotes for important warranty information
☞ US model announced June 2, 2009; previous models on September 9, 2008
✂ US models withdrawn effective July, August, or November 2009

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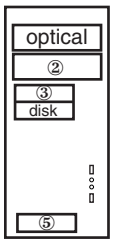
| | Name | Type-model | Slot x bay | AMD processor | GHz | Core | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Monitor connectors | Vista preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **A62** | 9485-A4U | 4x5 | Athlon 1640B | 2.7 | Single | 1GB | 160GB[2] | Bay | DVD | 3100 | VGA, DVI-D | Bus32 | | Sep 08 |
| ✂ | **A62** | 9485-F9U | 4x4 | Athlon X2 4450B | 2.3 | Dual | 1GB | 160GB | | DVD | 3100 | VGA, DVI-D | Bus32 | | Sep 08 |
| ✂ | **A62** | 9485-F8U | 4x5 | Athlon X2 4450B | 2.3 | Dual | 1GB | 160GB | Bay | DVD±RW | ***9300GE*** | VGA, DVI-I | Bus32 | | Sep 08 |
| ✂ | **A62** | 9485-H1U | 4x4 | Athlon X2 4450B | 2.3 | Dual | *2GB* | 160GB | | DVD±RW | 3100 | VGA, DVI-D | Bus32 | | Sep 08 |
| ✂ | **A62** | 9485-E2U | 4x4 | Athlon X2 5000B | 2.6 | Dual | 1GB | 160GB | | DVD±RW | 3100 | VGA, DVI-D | Bus32 | Educ | Sep 08 |
| | **A62** | 9485-A1U | 4x4 | Athlon X2 5400B | 2.8 | Dual | *2GB* | 160GB | | DVD±RW | 3100 | VGA, DVI-D | Bus32 | | Sep 08 |
| ✂ | **A62** | 9485-A2U | 4x5 | Phenom X3 8600B | 2.3 | Triple | 2GB | 160GB | Bay | DVD±RW | 3100 | VGA, DVI-D | Bus64 | | Sep 08 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Stability and manageability for large enterprise and mid-market* |
| Processor | **AMD® Athlon™ Processor 1640B** with single-core, virtualization technology, int DDR2 memory controller, and 512KB L2 cache or **AMD Athlon X2 Dual-Core Processor 4450B**, **5000B**, or **5400B** with **dual-core**, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache or **AMD Phenom™ X3 Triple-Core Processor 8600B** with **triple-core**, virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache |
| Implementation | Processor in Socket AM2 or AM2+ |
| Memory | **1GB** or **2GB std**, 8GB max[8], four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available;<br>*Fxx/H1U:* **PC2-5300 667MHz DDR2**, non-parity, dual-channel;<br>*Others:* **PC2-6400 800MHz DDR2**, non-parity, dual-channel |
| Graphics | *Some:* **ATI™ Radeon™ 3100**, int graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D conn, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 monitors with optional dual-head ATI graphics adapter<br>*Some:* **NVIDIA® GeForce® 9300 GE**, PCI Express® x16 adapter, 256MB, one analog VGA DB-15 conn via cable, one DVI-I conn, S-Video out for TV-out, HDCP, DirectX 10, 30 watts |

**Tower**

- Business black color
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2lb (11.0kg) in typical configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk
Bay ⑤ 3.5", 1" high, no access, opt disk*

* 2nd Disk Bay is only available on some models

Slot 1: half-length,full-height, PCIe 2.0 x1
Slot 2: half-length,full-height, PCIe 2.0 x16 (75w max)**
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

** used in some models

| | |
|---|---|
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors on planar |
| eSATA port | None |
| EIDE controller | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **AMD 780V Chipset** with HyperTransport™ 3.0 and PCI Express 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45),<br>*F8U:* monitor (VGA DB-15, DVI-I), S-Video out;<br>*Others:* monitor (VGA DB-15, DVI-D) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0 |
| Modem | None |
| Security chip | Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- *Some:* Genuine Windows® Vista® Business 32
- *Some:* Genuine Windows Vista Business 64

✧ Vista Premium logo

**Preloaded applications**[5] (all OSes; only some listed)

- *Some:* Education software
  - VitalSource™ Library School Edition
  - Adobe® Elements
    - Photoshop Elements 6
    - Premiere Elements 4
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-5300 CL5 DDR2 UDIMM | 73P4984 |
| 2GB PC2-5300 CL5 DDR2 UDIMM | 73P4985 |
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| DVD-ROM DL SATA 1.5Gb/s 16-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |

More accessories on O-A62 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5955)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5956)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5957)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5958)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5959)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced August 12 or September 9, 2008
✂ US models withdrawn effective July or December 2009

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# ThinkCentre® A62 Tower (9625)

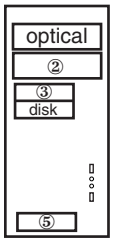
| | Name | Type-model | Slot x bay | AMD processor | GHz | Core | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Monitor connectors | ENERGY STAR 5.0 | Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **A62** | 9625-B5U | 4x4 | Athlon X2 5000B | 2.6 | Dual | 1GB | 160GB[2] | | DVD | 3100 | VGA, DVI-D | None | XP Pro | None | Sep 08 |
| | **A62** | 9625-B6U | 4x4 | Athlon X2 5000B | 2.6 | Dual | *2GB* | 160GB | | DVD±RW | 3100 | VGA, DVI-D | None | XP Pro | None | Sep 08 |
| | **A62** | 9625-B7U | 4x4 | Athlon X2 5400B | 2.8 | Dual | *2GB* | 250GB | | DVD±RW | 3100 | VGA, DVI-D | None | XP Pro | None | Sep 08 |
| ✂ | **A62** | 9625-B9U | 4x4 | Athlon X2 5400B | 2.8 | Dual | *2GB* | 160GB | | DVD±RW | ***9300GE*** | VGA, DVI-I | None | XP Pro | None | Sep 08 |
| ✂ | **A62** | 9625-B8U | 4x4 | Phenom X3 8450 | 2.1 | Triple | *2GB* | 160GB | | DVD | 3100 | VGA, DVI-D | None | XP Pro | None | Dec 08 |
| | **A62** | 9625-A3U | 4x5 | Athlon 1640B | 2.7 | Single | 1GB | 160GB | Bay | DVD | 3100 | VGA, DVI-D | None | Bus32 | None | Sep 08 |
| ✂ | **A62** | 9625-D2U | 4x4 | Athlon X2 4450B | 2.3 | Dual | 1GB | 160GB | | DVD±RW | 3100 | VGA, DVI-D | None | Bus32 | None | Sep 08 |
| | **A62** | 9625-A2U | 4x5 | Athlon X2 5000B | 2.6 | Dual | 1GB | 160GB | Bay | DVD±RW | 3100 | VGA, DVI-D | None | Bus32 | None | Sep 08 |
| ☞ | **A62** | 9625-A1U | 4x5 | Phenom X3 8600B | 2.3 | Triple | 2GB | 160GB | Bay | DVD±RW | 3100 | VGA, DVI-D | None | Bus64 | None | Dec 08 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Stability and manageability for large enterprise and mid-market* |
| Processor | **AMD® Athlon™ Processor 1640B** with single-core, virtualization technology, int DDR2 memory controller, and 512KB L2 cache or **AMD Athlon X2 Dual-Core Processor 4450B**, **5000B**, or **5400B** with **dual-core**, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache or **AMD Phenom™ X3 Triple-Core Processor 8450** or **8600B** with **triple-core**, virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache |
| Implementation | Processor in Socket AM2 or AM2+ |
| Memory | **1GB** or **2GB std**, 8GB max[8], four 240-pin DIMM sockets;<br>*Italics:* standard memory in two sockets; two sockets available;<br>*Non-italics:* standard memory in one socket; three sockets available;<br>*D2U:* **PC2-5300 667MHz DDR2**, non-parity, dual-channel capable;<br>*Others:* **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable |
| Graphics | *Some:* **ATI™ Radeon™ 3100**, int graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D conn, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 monitors with optional dual-head ATI graphics adapter<br>*Some:* **NVIDIA® GeForce® 9300 GE**, PCI Express® x16 adapter, 256MB, one analog VGA DB-15 conn via cable, one DVI-I conn, S-Video out for TV-out, HDCP, DirectX 10, 30 watts |

**Tower**

- Business black color
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2lb (11.0kg) in typical configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk
Bay ⑤ 3.5", 1" high, no access, opt disk*

* 2nd Disk Bay is only available on some models

Slot 1: half-length,full-height, PCIe 2.0 x1
Slot 2: half-length,full-height, PCIe 2.0 x16 (75w max)**
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

** used in some models

| | |
|---|---|
| SATA disk | **160GB** or **250GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors on planar |
| eSATA port | None |
| EIDE controller | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **AMD 780V Chipset** with HyperTransport™ 3.0 and PCI Express 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45),<br>*B9U:* monitor (VGA DB-15, DVI-I), S-Video out;<br>*Others:* monitor (VGA DB-15, DVI-D) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0 |
| Modem | None |
| Security chip | Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 80% PSU |

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- *Some:* Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business)
- *Some:* Genuine Windows Vista Business 32
- *Some:* Genuine Windows Vista Business 64

✧ *Vista models:* Vista Premium logo

**Preloaded applications**[5] (all OSes; only some listed)

- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-5300 CL5 DDR2 UDIMM | 73P4984 |
| 2GB PC2-5300 CL5 DDR2 UDIMM | 73P4985 |
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |

More accessories on O-A62 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5955)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5956)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5958)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5959)
- **Other ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
☞ US models announced December 9, 2008; previous models on August 12 or September 9, 2008
✂ US models withdrawn effective July or August 2009

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# ThinkCentre® A62 Tower (7061) - GMP

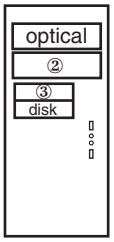
| Name | Type-model | Slot x bay | AMD processor | GHz | Core | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Integrated graphics | Monitor connectors | Vista preload | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A62** | 7061-A1U | 4x4 | Athlon X2 5400B | 2.8 | Dual | *2GB* | 160GB[2] | None | DVD±RW | 3100 | VGA, DVI-D | Bus32 | G P | Sep 08 |

- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

| | |
|---|---|
| Positioning | *Stability and manageability for large enterprise and mid-market* |
| Processor | **AMD® Athlon™ X2 Dual-Core Processor 5400B** with **dual-core**, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache |
| Implementation | Processor in Socket AM2 |
| Memory | **2GB std**, 8GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available |
| Graphics | **ATI™ Radeon™ 3100**, integrated graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 independent monitors with optional dual-head ATI graphics adapter |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors |
| eSATA port | None |
| EIDE controller | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **AMD 780V Chipset** with HyperTransport™ 3.0 and PCI Express® 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0 |
| Modem | None |
| Security chip | Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

**Tower**

- Business black color
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2lb (11.0kg) in typical configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x1
Slot 2: half-length,full-height, PCIe 2.0 x16 (75w max)
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control
- Individual USB port disablement

**Preloaded operating system**[20]

- Genuine Windows® Vista® Business 32
- ✧ Vista Premium logo

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |

More accessories on O-A62 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus™ part number 45K5957)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5958)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5959)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced August 12, 2008

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# ThinkCentre® A62 Tower (3656) - GMP

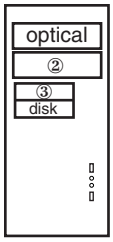
| Name | Type-model | Slot x bay | AMD processor | GHz | Core | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Integrated graphics | Monitor connectors | ENERGY STAR 5.0 | Vista preload | Global (G) GMP (P) | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A62** | 3656-AAU | 4x4 | Athlon X2 5400B | 2.8 | Dual | *2GB* | 160GB[2] | None | DVD±RW | 3100 | VGA, DVI-D | None | Bus32 | G P | Jan 09 |

- ***This model is part of the Global Models Plus (GMP) program with limited onsite service[3] 3-year limited warranty***

| | |
|---|---|
| Positioning | *Stability and manageability for large enterprise and mid-market* |
| Processor | **AMD® Athlon™ X2 Dual-Core Processor 5400B** with **dual-core**, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache |
| Implementation | Processor in Socket AM2 |
| Memory | **2GB std**, 8GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, four 240-pin DIMM sockets; *Italics:* standard memory in two sockets; two sockets available |
| Graphics | **ATI™ Radeon™ 3100**, integrated graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™**,** SurroundView™, supports dual independent display; supports up to 4 independent monitors with optional dual-head ATI graphics adapter |
| SATA disk | **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts |
| SATA controller | Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA cables | Two SATA cables (each 1-drop to device), four SATA connectors |
| eSATA port | None |
| EIDE controller | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **AMD 780V Chipset** with HyperTransport™ 3.0 and PCI Express 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | One internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0 |
| Modem | None |
| Security chip | Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, autosensing, 80% PSU |

**Tower**

- Business black color
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2lb (11.0kg) in typical configuration
- Handle on top front
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader/diskette)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x1
Slot 2: half-length,full-height, PCIe 2.0 x16 (75w max)
Slot 3: half-length,full-height, 32-bit PCI 2.3
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
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- Boot sequence control
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- Serial port I/O control
- Parallel port I/O control
- Individual USB port disablement

**Preloaded operating system**[20]

- Genuine Windows® Vista® Business 32
- ✧ Vista Premium logo

**Preloaded applications**[5]

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 9500GT 512MB (DP, DVI) | 45K1635 |

More accessories on O-A62 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus™ part number 45K5957)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5958)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5959)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced December 9, 2008

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# ThinkCentre® A62 Accessories

**Partial list of accessories supported on ThinkCentre A62**

## Memory

| | | |
|---|---|---|
| 1GB PC2-5300 CL5 DDR2 UDIMM[40] | 73P4984 | *ann 06/28/05* |
| 1GB PC2-5300 CL5 DDR2 UDIMM (25-Pack) | 51J0501 | *ann 03/17/09* |
| 2GB PC2-5300 CL5 DDR2 UDIMM | 73P4985 | *ann 09/26/06* |
| 2GB PC2-5300 CL5 DDR2 UDIMM (25-Pack) | 51J0547 | *ann 03/17/09* |
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 | *ann 09/26/06* |
| 1GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0549 | *ann 03/17/09* |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 | *ann 01/08/08* |
| 2GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0550 | *ann 03/17/09* |

[40] When PC2-5300 is installed with systems that have PC2-6400 memory, PC2-6400 will operate at the PC2-5300 memory speed.

## Optical

| | | |
|---|---|---|
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] | 41N5618 | *ann 09/26/06* |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 | *ann 09/26/06* |

## Storage and removable storage

| | | |
|---|---|---|
| 160GB SATA 3.0Gb/s Disk (7200 rpm) | 09N4254 | *ann 05/19/03* |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 | *ann 01/24/06* |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 | *ann 11/06/07* |
| USB 2.0 Essential Memory Key 4GB | 45J7904 | *ann 06/24/08* |
| USB 2.0 Essential Memory Key 8GB | 45J7905 | *ann 07/15/08* |
| USB 2.0 Essential Memory Key 32GB | 45K1258 | *ann 10/28/08* |
| USB 2.0 Ultra Secure Memory Key 1GB | 45J5915 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 2GB | 45J5916 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 4GB | 45J5917 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 8GB | 45J5918 | *ann 08/26/08* |
| USB 2.0 Portable 320GB Hard Disk | 45K1689 | *ann 03/17/09* |
| USB 2.0 Portable 500GB Hard Disk | 45K1690 | *ann 05/26/09* |
| USB 2.0 Portable Secure 160GB Hard Disk | 43R2018 | *ann 11/18/08* |
| USB 2.0 Portable Secure 320GB Hard Disk | 43R2019 | *ann 11/18/08* |
| eSATA/USB 2.0 Secure 500GB Hard Drive | 57Y4400 | *ann 01/07/10* |
| USB 2.0 Super Multi-Burner Drive | 41N5565 | *ann 01/23/07* |
| USB 2.0 Portable DVD Burner | 43N3264 | *ann 01/05/10* |

## Graphics

*Desktop 9486/7057/7062/3658/9945 support Low Profile 35 watts max:*

| | | |
|---|---|---|
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 | *ann 11/18/08* |

*Tower 9705/9935/9485/9625/7061/3656 support 75 watts max:*

| | | |
|---|---|---|
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 | *ann 11/18/08* |
| NVIDIA® GeForce® 9500 GT 512MB (DP, DVI) | 45K1635 | *ann 11/18/08* |

More information at **www.lenovo.com/support/graphiccards**

## Keyboard

| | | |
|---|---|---|
| Preferred Pro USB Keyboard | 73P5220 | *ann 06/21/05* |
| Preferred Pro Full Size PS/2 Keyboard | 31P7415 | *ann 06/04/02* |
| Enhanced Performance USB Keyboard | 73P2620 | *ann 03/23/04* |
| Ultraslim Wireless Keyboard and Mouse[52] | 57Y4700 | *ann 09/15/09* |
| Lenovo® USB Fingerprint Keyboard | 73P4730 | *ann 02/22/05* |
| Lenovo USB Smartcard Keyboard | 51J0155 | *ann 03/24/09* |

[52] Wireless via 2.4GHz technology using a micro-size USB receiver.

More information at **www.lenovo.com/support/keyboards**

## Mouse

| | | |
|---|---|---|
| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 | *ann 05/19/09* |
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 | *ann 05/19/09* |
| Lenovo Optical Mouse (USB) | 06P4069 | *ann 05/21/03* |
| Lenovo ScrollPoint® Mouse (USB, Optical) | 31P7405 | *ann 08/27/02* |
| Lenovo Laser Mouse (USB) | 41U3074 | *ann 01/23/07* |
| Lenovo Wireless Laser Mouse - Black[52] | 45K1696 | *ann 11/25/08* |
| Lenovo Wireless Laser Mouse - Red/Black[52] | 51J0198 | *ann 11/25/08* |

More information at **www.lenovo.com/support/mice**

## Multimedia

| | | |
|---|---|---|
| USB 2.0 Lenovo Webcam | 40Y8519 | *ann 08/29/06* |
| ThinkPad® In-Ear Headphones | 57Y4488 | *ann 01/07/10* |

## Security

| | | |
|---|---|---|
| Kensington® MicroSaver® Cable Lock[56] | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock[56] | 45K1620 | *ann 09/30/08* |
| USB Gemplus GemPC Smart Card Reader | 41N3040 | *ann 02/21/06* |

[56] Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis itself.

## Monitors

| | | |
|---|---|---|
| ThinkVision® L1711p 17" Monitor | 5047HB2 | *ann 10/20/09* |
| ThinkVision L1900p 19" Monitor | 4431HE1 | *ann 11/11/08* |
| ThinkVision L1951p Wide 19" Monitor | 2448HB6 | *ann 10/20/09* |
| ThinkVision L2250p Wide 22" Monitor | 2572HB6 | *ann 10/20/09* |
| ThinkVision L2251p Wide 22" Monitor | 2572HD6 | *ann 10/20/09* |
| ThinkVision L2251x Wide 22" Monitor | 2578HB6 | *ann 10/20/09* |
| ThinkVision L2440p Wide 24" Monitor | 4420HB2 | *ann 09/17/08* |

More information at **www.lenovo.com/thinkvision**

## Monitor Accessories[46]

| | | |
|---|---|---|
| Lenovo USB-to-DVI Monitor Adapter | 45K5296 | *ann 05/12/09* |
| ThinkVision USB Soundbar | 40Y7616 | *ann 08/23/05* |
| ThinkVision Soundbar | 45K1263 | *ann 09/16/08* |
| Kensington MicroSaver Cable Lock[56] | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock[56] | 45K1620 | *ann 09/30/08* |
| Radial Arm | 19K4464 | *ann 05/05/00* |

[46] Compatible on selected Lenovo and ThinkVision monitors.

More information at **www.lenovo.com/support/monitoraccessories**

## Medialess License Key (MLK)

| | | |
|---|---|---|
| Microsoft® Office 2007 Basic, English | 43R1528 | *ann 07/03/07* |
| Microsoft Office 2007 Small Business, Engl | 43R1534 | *ann 07/03/07* |
| Microsoft Office 2007 Professional, English | 43R1531 | *ann 07/03/07* |

For more information on desktop accessories, please visit:
**www.lenovo.com/support/accessories**
**www.lenovo.com/support/desktopaccessories**
**www.lenovo.com/support/security**

Other accessories at **www.lenovo.com/accessories**

Accessories Guide pdf at **www.lenovo.com/accessoriesguide**

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Lenovo ThinkCentre A63 Tower

Lenovo ThinkCentre A63 Tower

Lenovo ThinkCentre A63 Tower

Lenovo ThinkCentre A63 Tower with Lenovo ThinkVision® monitor

Lenovo ThinkCentre A63 Tower

Lenovo ThinkCentre A63 Tower

# ThinkCentre® A63 Tower (4013) - TopSeller (Windows 7)



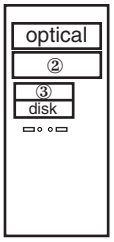
| Type-model | Slot x bay | AMD processor | GHz | Core | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Media reader | Integrated graphics | Monitor connectors | Int speaker | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4013-A7U | 4x4 | Sempron 140 | 2.7 | Single | 1GB | 250GB[2] | None | DVD | None | 3000 | VGA, DVI-D | Int | Prem 32 | None | Feb 10 |

- ***This small and medium business (SMB) model is part of the US TopSeller™ Program***
- ***This model has a 1-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Optimized for small and medium businesses* |
| Processor | **AMD® Sempron™ Processor 140** with single-core, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, int DDR3 memory controller, and 1MB L2 cache |
| Implementation | Processor in Socket AM3 |
| Memory | **1GB std**, 4GB max, **UDIMM**, **PC3-8500 1066MHz DDR3**, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **ATI™ Radeon™ 3000**, integrated in chipset, uses main memory (up to 256MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 monitors with optional dual-head ATI Radeon discrete graphics adapter |
| SATA disk(s) | **250GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD | DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in SB710, four SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **AMD 760G Chipset** with HyperTransport 3.0 and PCI Express® 2.0 support; SB710 south bridge / ITE Tech® IT8720 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

**Tower**

- Business black color
- 6.9" W X 17.4" D X 16.2" H
- 175mm W X 442mm D X 412mm H
- 24.2lb (11.0kg) in typical configuration
- Handle on top front
- Power button on top handle
- Tilted front I/O for easy access
- Toolless cover removal
- Toolless disk, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, PCIe 2.0 x1
Slot 4: half-length, full-height, 32-bit PCI 2.3

**Security**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Home Premium 32

**Preloaded applications**[5] (only some listed)

- ThinkVantage Product Recovery
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 310 512MB (DP, VGA) | 57Y4397 |

More accessories on O-A63 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **1-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **1-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5951)
  - **2-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5949)
  - **2-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5952)
  - **3-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5950)
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5953)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced January 12, 2010

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# ThinkCentre® A63 Tower (5043) - TopSeller (XP with Win 7 License)



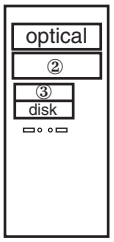
| Type-model | Slot x bay | AMD processor | GHz | Core | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Media reader | Integrated graphics | Monitor connectors | Int speaker | Preload | Recovery DVD | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5043-A1U | 4x4 | Athlon II X3 435 | 2.9 | Triple | 2GB | 320GB[2] | No | DVD±RW | No | 3000 | VGA, DVI-D | No | XP Pro | Pro 32 | No | Feb 10 |
| 5043-A3U | 4x4 | Athlon II X2 240 | 2.8 | Dual | 1GB | 250GB | No | DVD±RW | No | 3000 | VGA, DVI-D | No | XP Pro | Pro 32 | No | Feb 10 |
| 5043-A4U | 4x4 | Athlon II X2 240 | 2.8 | Dual | 2GB | 320GB | No | DVD±RW | No | 3000 | VGA, DVI-D | No | XP Pro | Pro 32 | No | Feb 10 |
| 5043-A5U | 4x4 | Athlon II X2 245 | 2.9 | Dual | 2GB | 320GB | No | DVD±RW | No | 3000 | VGA, DVI-D | No | XP Pro | Pro 32 | No | Feb 10 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Optimized for small and medium businesses* |
| Processor | **AMD® Athlon™ II X2 Processor 240** or **245** with **dual-core**, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, int DDR3 memory controller, and 2MB L2 cache (1MB per core) or **AMD Athlon II X3 Processor 435** with **triple-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 technology, int DDR3 memory controller, and 1.5MB L2 cache (512KB per core) |
| Implementation | Processor in Socket AM3 |
| Memory | **1GB** or **2GB std**, 4GB max, **UDIMM**, two 240-pin DIMM sockets;<br>*Non-italics:* standard memory in 1 socket; 1 socket available;<br>*A1U:* **PC3-10600 1333MHz DDR3**;<br>*A3U/A4U/A5U:* **PC3-8500 1066MHz DDR3** |
| Graphics | **ATI™ Radeon™ 3000**, integrated in chipset, uses main memory (up to 256MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 monitors with optional dual-head ATI Radeon discrete graphics adapter |
| SATA disk(s) | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in SB710, four SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **AMD 760G Chipset** with HyperTransport 3.0 and PCI Express® 2.0 support; SB710 south bridge / ITE Tech® IT8720 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | None |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

**Tower**

- Business black color
- 6.9" W X 17.4" D X 16.2" H
- 175mm W X 442mm D X 412mm H
- 24.2lb (11.0kg) in typical configuration
- Handle on top front
- Power button on top handle
- Tilted front I/O for easy access
- Toolless cover removal
- Toolless disk, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, PCIe 2.0 x1
Slot 4: half-length, full-height, 32-bit PCI 2.3

**Security**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional (with Windows 7 Professional 32 Recovery DVD)

**Preloaded applications**[5] (only some listed)

- ThinkVantage Product Recovery
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo System Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 310 512MB (DP, VGA) | 57Y4397 |

More accessories on O-A63 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5955)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5956)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5957)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5958)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5959)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 12, 2010

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# ThinkCentre® A63 Tower (5043) - TopSeller (Windows 7)



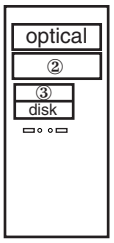
| Type-model | Slot x bay | AMD processor | GHz | Core | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Media reader | Integrated graphics | Monitor connectors | Int speaker | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5043-AEU | 4x4 | Sempron 140 | 2.7 | Single | 2GB | 250GB[2] | None | DVD±RW | None | 3000 | VGA, DVI-D | Int | Pro 32 | None | Feb 10 |
| 5043-AFU | 4x4 | Athlon II X2 240 | 2.8 | Dual | 2GB | 250GB | None | DVD±RW | None | 3000 | VGA, DVI-D | Int | Pro 32 | None | Feb 10 |
| 5043-AGU | 4x4 | Athlon II X3 435 | 2.9 | Triple | *3GB* | 320GB | None | DVD±RW | None | 3000 | VGA, DVI-D | Int | Pro 32 | None | Feb 10 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Optimized for small and medium businesses* |
| Processor | **AMD® Sempron™ Processor 140** with single-core, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, int DDR3 memory controller, and 1MB L2 cache or **AMD Athlon™ II X2 Processor 240** with **dual-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 technology, int DDR3 memory controller, and 2MB L2 cache (1MB per core) or **AMD Athlon II X3 Processor 435** with **triple-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 technology, int DDR3 memory controller, and 1.5MB L2 cache (512KB per core) |
| Implementation | Processor in Socket AM3 |
| Memory | **2GB** or **3GB std**, 4GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, two 240-pin DIMM sockets;<br>*Italics:* standard memory in both sockets; no sockets avail;<br>*Non-italics:* standard memory in one socket; one socket available |
| Graphics | **ATI™ Radeon™ 3000**, integrated in chipset, uses main memory (up to 256MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™**,** SurroundView™, supports dual independent display; supports up to 4 monitors with optional dual-head ATI Radeon discrete graphics adapter |
| SATA disk(s) | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in SB710, four SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **AMD 760G Chipset** with HyperTransport 3.0 and PCI Express® 2.0 support; SB710 south bridge / ITE Tech® IT8720 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

**Tower**

- Business black color
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2lb (11.0kg) in typical configuration
- Handle on top front
- Power button on top handle
- Tilted front I/O for easy access
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




| | | | |
|---|---|---|---|
| Bay ① | 5.25", | 1.6" high, access, | std optical |
| Bay ② | 5.25", | 1.6" high, access, | open |
| Bay ③ | 3.5", | 1" high, access, | open (reader) |
| Bay ④ | 3.5", | 1" high, no access, | std disk |

Slot 1: half-length,full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length,full-height, PCIe 2.0 x1
Slot 3: half-length,full-height, PCIe 2.0 x1
Slot 4: half-length,full-height, 32-bit PCI 2.3

**Security**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Parallel port I/O control
- Individual USB port disablement

Supports ThinkVantage technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- ThinkVantage Product Recovery
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)

**Accessories**

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 310 512MB (DP, VGA) | 57Y4397 |

More accessories on O-A63 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5955)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5956)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5957)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5958)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5959)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 12, 2010

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# ThinkCentre® A63 Tower (5237) - Windows 7

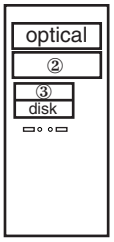
| Type-model | Slot x bay | AMD processor | GHz | Core | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Media reader | Integrated graphics | Monitor connectors | Int speaker | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5237-AAU | 4x4 | Athlon II X2 240 | 2.8 | Dual | 2GB | 250GB[2] | No | DVD±RW | None | 3000 | VGA, DVI-D | Int | Pro 32 | No | Feb 10 |

- ***This model has a 1-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Optimized for small and medium businesses* |
| Processor | **AMD® Athlon™ II X2 Processor 240** with **dual-core**, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, int DDR3 memory controller, and 2MB L2 cache (1MB per core) |
| Implementation | Processor in Socket AM3 |
| Memory | **2GB std**, 4GB max, **UDIMM**, **PC3-10600 1333MHz DDR3**, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **ATI™ Radeon™ 3000**, integrated in chipset, uses main memory (up to 256MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 monitors with optional dual-head ATI Radeon discrete graphics adapter |
| SATA disk(s) | **250GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in SB710, four SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **AMD 760G Chipset** with HyperTransport 3.0 and PCI Express® 2.0 support; SB710 south bridge / ITE Tech® IT8720 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

**Tower**

- Business black color
- 6.9" W X 17.4" D X 16.2" H
- 175mm W X 442mm D X 412mm H
- 24.2lb (11.0kg) in typical configuration
- Handle on top front
- Power button on top handle
- Tilted front I/O for easy access
- Toolless cover removal
- Toolless disk, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, open (reader)
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, PCIe 2.0 x1
Slot 4: half-length, full-height, 32-bit PCI 2.3

**Security**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- ThinkVantage Product Recovery
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)

**Accessories**

| | |
|---|---|
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 310 512MB (DP, VGA) | 57Y4397 |

More accessories on O-A63 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **1-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **1-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5951)
  - **2-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5949)
  - **2-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5952)
  - **3-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5950)
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5953)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US model announced January 12, 2010

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# ThinkCentre® A63 Tower (6674) - XP with Win 7 License



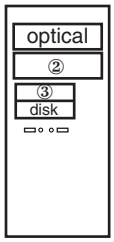
| Type-model | Slot x bay | AMD processor | GHz | Core | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Integrated graphics | Monitor connectors | Int speaker | Chassis intr switch | Preload | Recovery DVD | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6674-A4U | 4x4 | Athlon II X3 435 | 2.9 | Triple | 2GB | 320GB[2] | No | DVD±RW | 3000 | VGA, DVI-D | | | XP Pro | Pro 32 | None | Feb 10 |
| 6674-A6U | 4x4 | Athlon II X2 240 | 2.8 | Dual | 1GB | 250GB | No | DVD | 3000 | VGA, DVI-D | | | XP Pro | Pro 32 | None | Feb 10 |
| 6674-A8U | 4x4 | Athlon II X2 245 | 2.9 | Dual | 2GB | 320GB | No | DVD±RW | 3000 | VGA, DVI-D | Int | Switch | XP Pro | Pro 32 | None | Feb 10 |
| 6674-AFU | 4x4 | Athlon II X2 245 | 2.9 | Dual | 2GB | 320GB | No | DVD±RW | 3000 | VGA, DVI-D | Int | | XP Pro | Pro 32 | None | Feb 10 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Optimized for small and medium businesses* |
| Processor | **AMD® Athlon™ II X2 Processor 240** or **245** with **dual-core**, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, int DDR3 memory controller, and 2MB L2 cache (1MB per core) or **AMD Athlon II X3 Processor 435** with **triple-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 technology, int DDR3 memory controller, and 1.5MB L2 cache (512KB per core) |
| Implementation | Processor in Socket AM3 |
| Memory | **1GB** or **2GB std**, 4GB max, **UDIMM**, two 240-pin DIMM sockets;<br>*Non-italics:* standard memory in 1 socket; 1 socket available;<br>*A4U:* **PC3-10600 1333MHz DDR3**;<br>*A6U/A8U/AFU:* **PC3-8500 1066MHz DDR3** |
| Graphics | **ATI™ Radeon™ 3000**, integrated in chipset, uses main memory (up to 256MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™**,** SurroundView™, supports dual independent display;<br>supports up to 4 monitors with optional dual-head ATI Radeon discrete graphics adapter |

**Tower**

- Business black color
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2lb (11.0kg) in typical configuration
- Handle on top front
- Power button on top handle
- Tilted front I/O for easy access
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




Bay ① 5.25", 1.6" high, access, std optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.5", 1" high, access, opt reader
Bay ④ 3.5", 1" high, no access, std disk

Slot 1: half-length,full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length,full-height, PCIe 2.0 x1
Slot 3: half-length,full-height, PCIe 2.0 x1
Slot 4: half-length,full-height, 32-bit PCI 2.3

| | |
|---|---|
| SATA disk(s) | **250GB** or **320GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD | *Some:* DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] Drive |
| SATA DVD±RW | *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in SB710, four SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Chipset | **AMD 760G Chipset** with HyperTransport 3.0 and PCI Express® 2.0 support; SB710 south bridge / ITE Tech® IT8720 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D) |
| Rear audio ports | Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) |
| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | *Some:* Internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

**Security**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement
- *Some:* Chassis intrusion switch

Supports ThinkVantage technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional (with Windows 7 Professional 32 Recovery DVD)

**Preloaded applications**[5] (only some listed)

- ThinkVantage Product Recovery
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo System Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD, DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max | 41N5618 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 310 512MB (DP, VGA) | 57Y4397 |

More accessories on O-A63 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5955)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5956)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5957)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5958)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5959)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced January 12, 2010

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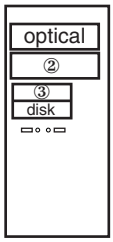
| Type-model | Slot x bay | AMD processor | GHz | Memory[8] | SATA disk | 2nd Disk Bay | SATA optical | Media reader | Integrated graphics | Monitor connectors | Int speaker | Chassis intr switch | Win7 Preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6674-ABU | 4x4 | Phenom II X4 B93 | 2.8 | *3GB* | 500GB[2] | No | DVD±RW | Media | 3000 | VGA, DVI-D | Int | Switch | Pro 32 | None | Feb 10 |
| 6674-ANU | 4x4 | Athlon II X2 240 | 2.8 | 2GB | 250GB | No | DVD±RW | | 3000 | VGA, DVI-D | Int | | Pro 32 | None | Feb 10 |
| 6674-APU | 4x4 | Athlon II X3 435 | 2.9 | 2GB | 250GB | No | DVD±RW | | 3000 | VGA, DVI-D | Int | | Pro 32 | None | Feb 10 |
| 6674-ARU | 4x4 | Sempron 140 | 2.7 | 2GB | 250GB | No | DVD±RW | | 3000 | VGA, DVI-D | Int | | Pro 32 | None | Feb 10 |
| 6674-ASU | 4x4 | Athlon II X2 245 | 2.9 | 2GB | 250GB | No | DVD±RW | | 3000 | VGA, DVI-D | Int | | Pro 32 | None | Feb 10 |

- ***These models have a 3-year limited warranty***[1]

| | |
|---|---|
| Positioning | *Optimized for small and medium businesses* |
| Processor | **AMD® Sempron™ Processor 140** with single-core, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, int DDR3 memory controller, and 1MB L2 cache or<br>**AMD® Athlon™ II X2 Processor 240** or **245** with **dual-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 technology, int DDR3 memory controller, and 2MB L2 cache (1MB per core) or<br>**AMD Athlon II X3 Processor 435** with **triple-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 technology, int DDR3 memory controller, and 1.5MB L2 cache (512KB per core) or<br>**AMD Phenom™ II X4 Processor B93** with **quad-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 technology, int DDR3 memory controller, 2MB L2 cache (512KB per core), and 6MB shared L3 cache |
| Implementation | Processor in Socket AM3 |

**Tower**

- Business black color
- 6.9" W X 17.3" D X 15.8" H
- 175mm W X 440mm D X 402mm H
- 24.2lb (11.0kg) in typical configuration
- Handle on top front
- Power button on top handle
- Tilted front I/O for easy access
- Toolless cover removal
- Toolless disk, diskette drive, optical drive removal
- Toolless adapter retention




| | | |
|---|---|---|
| Bay ① | 5.25", 1.6" high, | access, std optical |
| Bay ② | 5.25", 1.6" high, | access, open |
| Bay ③ | 3.5", 1" high, | access, opt reader |
| Bay ④ | 3.5", 1" high, | no access, std disk |

Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, PCIe 2.0 x1
Slot 4: half-length, full-height, 32-bit PCI 2.3

| | |
|---|---|
| Memory | **2GB** or **3GB std**, 4GB max, **UDIMM**, two 240-pin DIMM sockets;<br>*Italics:* standard memory in both sockets; no sockets available;<br>*Non-italics:* standard memory in 1 socket; 1 socket available;<br>*ABU/APU/ARU/ASU:* **PC3-10600 1333MHz DDR3**;<br>*ANU:* **PC3-8500 1066MHz DDR3** |
| Graphics | **ATI™ Radeon™ 3000**, integrated in chipset, uses main memory (up to 256MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™**,** SurroundView™, supports dual independent display;<br>supports up to 4 monitors with optional dual-head ATI Radeon discrete graphics adapter |
| SATA disk(s) | **250GB** or **500GB**, SATA 3.0Gb/s 7200 rpm |
| SATA DVD±RW | Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive |
| SATA Controller | Serial ATA, SATA 3.0Gb/s, integrated in SB710, four SATA connectors |
| eSATA port | None |
| Diskette drive | None |
| Media reader | *Some:* 25-in-1 media reader, internal USB 2.0 |
| Chipset | **AMD 760G Chipset** with HyperTransport 3.0 and PCI Express® 2.0 support; SB710 south bridge / ITE Tech® IT8720 Super I/O |
| Front ports | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Rear ports | Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D) |
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| Internal connector | Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) |
| Audio | High Definition (HD) Audio, Realtek® ALC662 codec |
| Speaker | Internal speaker for business audio |
| Ethernet | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo |
| Power supply | 280 watts with variable speed fan, manual switch |

**Security**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Parallel port I/O control
- Individual USB port disablement
- *Some:* Chassis intrusion switch

Supports ThinkVantage technologies

GREENGUARD® certified
RoHS-compliant

**Preloaded operating system**[20]

- Genuine Windows® 7 Professional 32

**Preloaded applications**[5] (only some listed)

- ThinkVantage Product Recovery
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)

**Accessories**

| | |
|---|---|
| 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| 1GB PC3-10600 DDR3 UDIMM | 57Y4389 |
| 2GB PC3-10600 DDR3 UDIMM | 57Y4390 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 |
| NVIDIA® GeForce® 310 512MB (DP, VGA) | 57Y4397 |

More accessories on O-A63 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **3-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5955)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5956)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5957)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5958)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 45K5959)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**




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# ThinkCentre® A63 Accessories

**Partial list of accessories supported on ThinkCentre A63**

**Memory**

| | | |
|---|---|---|
| 1GB PC3-8500 DDR3 UDIMM[40] | 45J5434 | *ann 11/18/08* |
| 1GB PC3-8500 DDR3 UDIMM (25-Pack) | 57Y4421 | *ann 11/10/09* |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 | *ann 11/18/08* |
| 2GB PC3-8500 DDR3 UDIMM (25-Pack) | 57Y4422 | *ann 11/10/09* |
| 1GB PC3-10600 DDR3 Low-Halogen UDIMM | 57Y4389 | *ann 01/12/10* |
| 1GB PC3-10600 DDR3 L-H UDIMM (25-Pack) | 57Y4419 | *ann 01/12/10* |
| 2GB PC3-10600 DDR3 Low-Halogen UDIMM | 57Y4390 | *ann 01/12/10* |
| 2GB PC3-10600 DDR3 L-H UDIMM (25-Pack) | 57Y4420 | *ann 01/12/10* |

[40] When PC3-8500 is installed with systems that have PC3-10600 memory, PC3-10600 will operate at the PC3-8500 memory speed.

**Optical**

| | | |
|---|---|---|
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4] | 41N5618 | *ann 09/26/06* |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 | *ann 09/26/06* |

**Storage and removable storage**

| | | |
|---|---|---|
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 | *ann 01/24/06* |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 | *ann 11/06/07* |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 | *ann 08/19/08* |
| USB 2.0 Essential Memory Key 4GB | 45J7904 | *ann 06/24/08* |
| USB 2.0 Essential Memory Key 8GB | 45J7905 | *ann 07/15/08* |
| USB 2.0 Essential Memory Key 32GB | 45K1258 | *ann 10/28/08* |
| USB 2.0 Ultra Secure Memory Key 2GB | 45J5916 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 4GB | 45J5917 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 8GB | 45J5918 | *ann 08/26/08* |
| USB 2.0 Portable 320GB Hard Disk | 45K1689 | *ann 03/17/09* |
| USB 2.0 Portable 500GB Hard Disk | 45K1690 | *ann 05/26/09* |
| USB 2.0 Portable Secure 160GB Hard Disk | 43R2018 | *ann 11/18/08* |
| USB 2.0 Portable Secure 320GB Hard Disk | 43R2019 | *ann 11/18/08* |
| eSATA/USB 2.0 Secure 500GB Hard Drive [53] | 57Y4400 | *ann 01/07/10* |
| USB 2.0 Super Multi-Burner Drive | 41N5565 | *ann 01/23/07* |
| USB 2.0 Portable DVD Burner | 43N3264 | *ann 01/05/10* |

[53] USB-only attach.

**Graphics**

| | | |
|---|---|---|
| ATI™ Radeon™ HD 3470 256MB (DP, VGA)[58] | 45K1636 | *ann 11/18/08* |
| NVIDIA® GeForce® 310 512MB (DP, VGA) | 57Y4397 | *ann 02/02/10* |
| NVIDIA GeForce 310 DMS59 (2-DVI, 2-VGA) | 57Y4167 | *ann 03/02/10* |

[58] Installing this graphics card does not disable the system monitor ports, thereby allowing a four monitor configuration.

More information at **www.lenovo.com/support/graphiccards**

**Keyboard**

| | | |
|---|---|---|
| Preferred Pro USB Keyboard | 73P5220 | *ann 06/21/05* |
| Preferred Pro Full Size PS/2 Keyboard | 31P7415 | *ann 06/04/02* |
| Enhanced Performance USB Keyboard | 73P2620 | *ann 03/23/04* |
| Ultraslim Wireless Keyboard and Mouse[52] | 57Y4700 | *ann 09/15/09* |
| ThinkPad USB Keyboard with TrackPoint | 55Y9003 | *ann 08/18/09* |
| Lenovo® USB Fingerprint Keyboard | 73P4730 | *ann 02/22/05* |
| Lenovo USB Smartcard Keyboard | 51J0155 | *ann 03/24/09* |

[52] Wireless via 2.4GHz technology using a micro-size USB receiver.

More information at **www.lenovo.com/support/keyboards**

**Mouse**

| | | |
|---|---|---|
| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 | *ann 05/19/09* |
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 | *ann 05/19/09* |
| Lenovo Optical Mouse (USB) | 06P4069 | *ann 05/21/03* |
| Lenovo ScrollPoint® Mouse (USB, Optical) | 31P7405 | *ann 08/27/02* |
| Lenovo Laser Mouse (USB) | 41U3074 | *ann 01/23/07* |
| Lenovo Wireless Laser Mouse - Black[52] | 45K1696 | *ann 11/25/08* |
| Lenovo Wireless Laser Mouse - Red/Black[52] | 51J0198 | *ann 11/25/08* |

More information at **www.lenovo.com/support/mice**

**Multimedia**

| | | |
|---|---|---|
| USB 2.0 Lenovo Webcam | 40Y8519 | *ann 08/29/06* |
| ThinkPad® In-Ear Headphones | 57Y4488 | *ann 01/07/10* |

**Security**

| | | |
|---|---|---|
| Kensington® MicroSaver® Cable Lock[56] | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock[56] | 45K1620 | *ann 09/30/08* |
| USB Gemplus GemPC Smart Card Reader | 41N3040 | *ann 02/21/06* |

[56] Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis itself.

**Monitors**

| | | |
|---|---|---|
| Lenovo D186 Wide 18.5" Monitor | 2580AB1 | *ann 01/12/10* |
| ThinkVision® L1711p 17" Monitor | 5047HB2 | *ann 10/20/09* |
| ThinkVision L1900p 19" Monitor | 4431HE1 | *ann 11/11/08* |
| ThinkVision L1951p Wide 19" Monitor | 2448HB6 | *ann 10/20/09* |
| ThinkVision L2250p Wide 22" Monitor | 2572HB6 | *ann 10/20/09* |
| ThinkVision L2251p Wide 22" Monitor | 2572HD6 | *ann 10/20/09* |
| ThinkVision L2251x Wide 22" Monitor | 2578HB6 | *ann 10/20/09* |
| ThinkVision L2440p Wide 24" Monitor | 4420HB2 | *ann 09/17/08* |

More information at **www.lenovo.com/thinkvision**

**Monitor Accessories**[46]

| | | |
|---|---|---|
| Lenovo USB-to-DVI Monitor Adapter | 45K5296 | *ann 05/12/09* |
| ThinkVision USB Soundbar | 40Y7616 | *ann 08/23/05* |
| ThinkVision Soundbar | 45K1263 | *ann 09/16/08* |
| Kensington MicroSaver Cable Lock[56] | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock[56] | 45K1620 | *ann 09/30/08* |
| Radial Arm | 19K4464 | *ann 05/05/00* |

[46] Compatible on selected Lenovo and ThinkVision monitors.

More information at **www.lenovo.com/support/monitoraccessories**

**Medialess License Key (MLK)**

| | | |
|---|---|---|
| Microsoft® Office 2007 Basic, English | 43R1528 | *ann 07/03/07* |
| Microsoft Office 2007 Small Business, Engl | 43R1534 | *ann 07/03/07* |
| Microsoft Office 2007 Professional, English | 43R1531 | *ann 07/03/07* |

For more information on desktop accessories, please visit:
**www.lenovo.com/support/accessories**
**www.lenovo.com/support/desktopaccessories**
**www.lenovo.com/support/security**

Other accessories at **www.lenovo.com/accessories**

Accessories Guide pdf at **www.lenovo.com/accessoriesguide**

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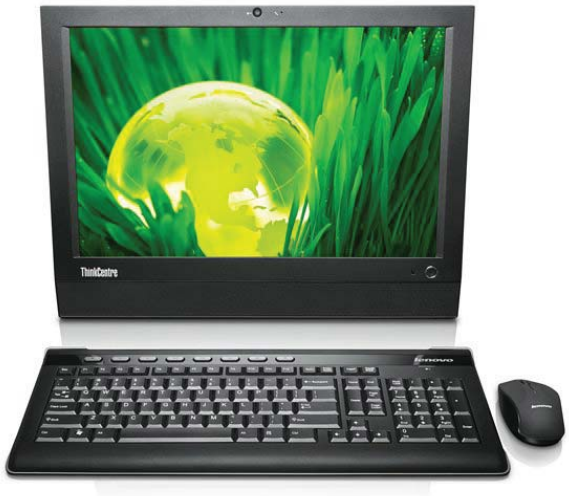
Lenovo ThinkCentre A70z All-In-One
( Wireless keyboard & mouse
on selected models only)




Lenovo ThinkCentre A70z All-In-One

Lenovo ThinkCentre A70z All-In-One

Lenovo ThinkCentre A70z All-In-One

ThinkCentre A70z Performance Stand
57Y4277

Lenovo ThinkCentre A70z All-In-One

# ThinkCentre™ A70z (1165) - TopSeller (Windows 7)



| Type-model | Proc-essor | GHz | Memory | Widescreen display | Camera (mega-pixel) | Integrated graphics | SATA disk | SATA optical | Mini PCIe 802.11 wireless | Keyboard /Mouse | ENERGY STAR 5.0 | Win7 preload | Global Educ | Avail date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1165-A1U | E3200 | 2.40 | 1GB | 19.0" WXGA+ | | GMA X4500 | 250GB[2] | DVD±RW | | USB | ES50 | Home P | None | Dec 09 |
| 1165-A2U | E5300 | 2.60 | 2GB | 19.0" WXGA+ | 1.3M | GMA X4500 | 320GB | DVD±RW | | USB | ES50 | Pro 32 | None | Dec 09 |
| 1165-A3U | E7500 | 2.93 | 2GB | 19.0" WXGA+ | 1.3M | GMA X4500 | 320GB | DVD±RW | 11b/g/n[12] | USB | ES50 | Pro 32 | None | Dec 09 |

- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***Best space saving solution & excellent cable management***
- ***These models have a 1-year limited warranty[1]***

| | |
|---|---|
| Positioning | *All-In-One PC for business customers* |
| Processor | **Intel® Celeron® Processor E3200** with **dual-core**, 800MHz system bus, and 1MB L2 cache or **Intel Pentium® Processor E5300** with **dual-core**, 800MHz system bus, and 2MB L2 cach or **Intel Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache |
| Implementation | Processor in LGA775 socket |
| Memory | **1GB** or **2GB** std, 4GB max[8], **PC2-6400 800MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics:* standard memory in one socket; one socket available |
| Graphics | **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G41, uses main memory, DirectX® 10 |
| SATA disk | **250GB** or **320GB**, SATA 3.0Gb/s, 3.5" wide, 7200 rpm |
| SATA DVD±RW | DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable |
| eSATA port | None |
| Diskette drive | None |
| Media reader | None |
| Widescreen display | **19.0"** (482.6mm) **WXGA+ (1440x900) TFT color**, anti-glare, CCFL backlight, 300 nits**,** 16:10 aspect ratio, 1000:1 contrast ratio |
| Camera | *Some:* camera on top of screen, 1.3-megapixel, fixed focus, integrated microphone (mono), LED indicator |
| Chipset | **Intel G41 Express Chipset**; I/O Controller Hub 7 (ICH7) |
| Ports | *Rear:* Three USB 2.0, serial (9-pin), ethernet (RJ-45)<br>*Side:* Three USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) |
| Mini PCI Express 11b/g/n[12] | One Mini PCI Express slot<br>*Some:* 11b/g/n wireless[13], Mini PCIe adapter, Broadcom® BCM43225 |
| Audio | High Definition (HD) Audio, CONEXANT™ CX20582 codec |
| Speaker | Two internal speakers (2 watt x 2) |
| IEEE 1394 | None |
| Ethernet | Gigabit ethernet on planar, Realtek® RTL8111DL |
| Intel AMT | None |
| Modem | None |
| Security chip | None |
| Keyboard | Preferred Pro USB Keyboard (USB), 104-key, black, Lenovo® logo |
| Mouse | Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo |
| Power supply | 130 watts, autosensing, 85% PSU |

**All-In-One**

- Business black color
- 18.58" W X 2.87" D X 14.0" H
- 472mm W X 73mm D X 356mm H
- 17.6 lb (8 kg) in maximum configuration
- Handle in rear
- Support VESA mount (100mm)
- Picture frame style metallic stand (Tilt 10°-35°)

Bay ① 3.5", 1" high, no access, std disk (desktop)
Bay ② slim, .5" high, access, std optical (notebook)

**Security**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Boot sequence control
- Boot without keyboard, mouse
- USB port disablement

Supports ThinkVantage® technologies

ENERGY STAR® 5.0-compliant
RoHS-compliant

**Preloaded operating system**[20]

- *Some:* Genuine Windows® 7 Home Premium 32
- *Some:* Genuine Windows 7 Professional 32

**Preloaded applications**[5] (only some listed)

- ThinkVantage Product Recovery
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

**Accessories**

| | |
|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 |
| ThinkCentre A70z Performance Stand | 57Y4277 |

More accessories on O-A70Z sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

**Limited Warranty**[1]

- **1-year parts and labor**
- **International Warranty Service**[9]
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Onsite service upgrade options (in eligible locations):**[7]
  - **1-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 45K5951)
  - **2-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5949)
  - **2-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5952)
  - **3-year LOR 9x5, Next Business Day** (ThinkPlus part number 45K5950)
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus part number 45K5953)
- **ThinkPlus services at lenovo.com**/thinkplus/warranty
- **Post warranty maintenance services available**
- **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information
US models announced November 17, 2009

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# ThinkCentre® A70z Accessories

**Partial list of accessories supported on ThinkCentre A70z AIO**

**Memory**

| | | |
|---|---|---|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 | *ann 09/26/06* |
| 1GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0549 | *ann 03/17/09* |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 | *ann 01/08/08* |
| 2GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0550 | *ann 03/17/09* |

**Storage and removable storage**

| | | |
|---|---|---|
| 160GB SATA 3.0Gb/s Disk (7200 rpm) | 09N4254 | *ann 05/19/03* |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 | *ann 01/24/06* |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 | *ann 11/06/07* |
| USB 2.0 Essential Memory Key 4GB | 45J7904 | *ann 06/24/08* |
| USB 2.0 Essential Memory Key 8GB | 45J7905 | *ann 07/15/08* |
| USB 2.0 Essential Memory Key 32GB | 45K1258 | *ann 10/28/08* |
| USB 2.0 Ultra Secure Memory Key 1GB | 45J5915 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 2GB | 45J5916 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 4GB | 45J5917 | *ann 08/26/08* |
| USB 2.0 Ultra Secure Memory Key 8GB | 45J5918 | *ann 08/26/08* |
| USB 2.0 Portable 320GB Hard Disk | 45K1689 | *ann 03/17/09* |
| USB 2.0 Portable 500GB Hard Disk | 45K1690 | *ann 05/26/09* |
| USB 2.0 Portable Secure 160GB Hard Disk | 43R2018 | *ann 11/18/08* |
| USB 2.0 Portable Secure 320GB Hard Disk | 43R2019 | *ann 11/18/08* |
| eSATA/USB 2.0 Secure 500GB Hard Drive | 57Y4400 | *ann 01/07/10* |
| USB 2.0 Super Multi-Burner Drive | 41N5565 | *ann 01/23/07* |
| USB 2.0 Portable DVD Burner | 43N3264 | *ann 01/05/10* |

**Keyboard**

| | | |
|---|---|---|
| Preferred Pro USB Keyboard | 73P5220 | *ann 06/21/05* |
| Enhanced Performance USB Keyboard | 73P2620 | *ann 03/23/04* |
| Ultraslim Wireless Keyboard and Mouse[52] | 57Y4700 | *ann 09/15/09* |
| ThinkPad USB Keyboard with TrackPoint | 55Y9003 | *ann 08/18/09* |
| Lenovo® USB Fingerprint Keyboard | 73P4730 | *ann 02/22/05* |
| Lenovo USB Smartcard Keyboard | 51J0155 | *ann 03/24/09* |

[52] Wireless via 2.4GHz technology using a micro-size USB receiver.

More information at **www.lenovo.com/support/keyboards**

**Mouse**

| | | |
|---|---|---|
| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 | *ann 05/19/09* |
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 | *ann 05/19/09* |
| Lenovo Optical Mouse (USB) | 06P4069 | *ann 05/21/03* |
| Lenovo ScrollPoint® Mouse (USB, Optical) | 31P7405 | *ann 08/27/02* |
| Lenovo Laser Mouse (USB) | 41U3074 | *ann 01/23/07* |
| Lenovo Wireless Laser Mouse - Black[52] | 45K1696 | *ann 11/25/08* |
| Lenovo Wireless Laser Mouse - Red/Black[52] | 51J0198 | *ann 11/25/08* |

More information at **www.lenovo.com/support/mice**

**Multimedia**

| | | |
|---|---|---|
| ThinkPad® In-Ear Headphones | 57Y4488 | *ann 01/07/10* |

**Security**

| | | |
|---|---|---|
| Kensington® MicroSaver® Cable Lock | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock | 45K1620 | *ann 09/30/08* |
| USB Gemplus GemPC Smart Card Reader | 41N3040 | *ann 02/21/06* |

**Stand**

| | | |
|---|---|---|
| ThinkCentre A70z Performance Stand | 57Y4277 | *ann 11/17/09* |

**Monitor Accessories**[46]

| | | |
|---|---|---|
| Lenovo USB-to-DVI Monitor Adapter | 45K5296 | *ann 05/12/09* |
| Kensington MicroSaver Cable Lock[56] | 73P2582 | *ann 12/29/03* |
| Kensington Twin Head Cable Lock[56] | 45K1620 | *ann 09/30/08* |
| Radial Arm | 19K4464 | *ann 05/05/00* |

[46] Compatible on selected Lenovo and ThinkVision monitors.

More information at **www.lenovo.com/support/monitoraccessories**

**Medialess License Key (MLK)**

| | | |
|---|---|---|
| Microsoft® Office 2007 Basic, English | 43R1528 | *ann 07/03/07* |
| Microsoft Office 2007 Small Business, Engl | 43R1534 | *ann 07/03/07* |
| Microsoft Office 2007 Professional, English | 43R1531 | *ann 07/03/07* |

For more information on desktop accessories, please visit:
**www.lenovo.com/support/accessories**
**www.lenovo.com/support/desktopaccessories**
**www.lenovo.com/support/security**

Other accessories at **www.lenovo.com/accessories**

Accessories Guide pdf at **www.lenovo.com/accessoriesguide**

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**Partial list of Lenovo® ThinkPlus Services[7] for ThinkCentre desktops**

For more information see:
**http://www.lenovo.com/services_warranty/us/en/index.html**

## ThinkPlus service upgrade options for ThinkCentre M series

***ThinkCentre desktop with 1-year Onsite warranty***

*LOR = Lenovo Onsite Repair*

| | |
|---|---|
| 1-year LOR 9x5 4-hour response | 41C9189 |
| 2-year LOR 9x5 Next Business Day | 41C9187 |
| 2-year LOR 9x5 4-hour response | 41C9190 |
| 3-year LOR 9x5 Next Business Day | 41C9188 |
| 3-year LOR 9x5 4-hour response | 41C9191 |

***ThinkCentre desktop with 3-year Onsite warranty***

*LOR = Lenovo Onsite Repair*

| | |
|---|---|
| 3-year LOR 9x5 4-hour response | 41C9192 |
| 3-year LOR 24x7 4-hour response | 41C9193 |
| 4-year LOR 9x5 Next Business Day | 41C9194 |
| 4-year LOR 9x5 4-hour response | 41C9195 |
| 4-year LOR 24x7 4-hour response | 41C9196 |

## ThinkPlus service upgrade options for ThinkCentre A series

***ThinkCentre desktop with 1-year Onsite warranty***

*LOR = Lenovo Onsite Repair*

| | |
|---|---|
| 1-year LOR 9x5 4-hour response | 45K5951 |
| 2-year LOR 9x5 Next Business Day | 45K5949 |
| 2-year LOR 9x5 4-hour response | 45K5952 |
| 3-year LOR 9x5 Next Business Day | 45K5950 |
| 3-year LOR 9x5 4-hour response | 45K5953 |

***ThinkCentre desktop with 3-year Onsite warranty***

*LOR = Lenovo Onsite Repair*

| | |
|---|---|
| 3-year LOR 9x5 4-hour response | 45K5955 |
| 3-year LOR 24x7 4-hour response | 45K5956 |
| 4-year LOR 9x5 Next Business Day | 45K5957 |
| 4-year LOR 9x5 4-hour response | 45K5958 |
| 4-year LOR 24x7 4-hour response | 45K5959 |
| 5-year LOR 9x5 Next Business Day | 45K5963 |

## ThinkPlus Secure Business

***Lenovo Online Data Backup***

- Secure offsite data storage
- 256-bit Advanced Encryption System
- Data recovery or access in case of an unforeseen event
- Automatic, remote management
- Choose which business critical data to back up

| | |
|---|---|
| 1-year Lenovo Online Data Backup - *10GB* | 51J0787 |
| 1-year Lenovo Online Data Backup - *25GB* | 51J0795 |
| 1-year Lenovo Online Data Backup - *50GB* | 45K5849 |
| 1-year Lenovo Online Data Backup - *Unlimited* | 45K5870 |

## ThinkPlus Priority Support for enterprise customers

- 9x5 next-business-day response Lenovo Onsite Repair
- 24x7 support with priority routing and advanced level technicians

***ThinkCentre desktop with 1-year Onsite warranty***

| | |
|---|---|
| 3-year Priority Support | 45J9087 |

***ThinkCentre desktop with 3-year Onsite warranty***

| | |
|---|---|
| 3-year Priority Support | 45J9088 |
| 4-year Priority Support | 45J9089 |
| 5-year Priority Support | 45J9090 |
| 3-year Priority Support 4-hour response | 45J9091 |
| 4-year Priority Support 4-hour response | 45J9092 |
| 5-year Priority Support 4-hour response | 45J9093 |

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**Availability:** All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

**Warranty:** For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

[1] **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

[2] **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

[3] **Limited onsite service systems** are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. In the United States call 1-800-426-7378. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.

[4] **CD and DVD list** maximum rates; rates are variable and are often less than the maximum.

[5] **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. License agreements may apply.

[6] **Multi-Burner Plus** (part number 73P3305 or 73P3370) is a DVD±RW device that reads and writes to DVD-RAM, DVD-R, DVD-RW, DVD+R, and DVD+RW. It also reads and writes to CD-R and CD-RW media. 73P3370 also writes to DVD+R double layer media.

[7] **ThinkPlus Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. P&L means parts and labor. P/U means pick-up. See ThinkPlus terms and conditions for complete details and restrictions.

[8] **Memory:** For PCs without a separate graphics card, memory supports both system and video. Accessible system memory may be up to 384MB less than the amount stated, depending on video mode.

[9] **International Warranty Service** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

[10] **Modem speeds:** Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

[11] **For combination drives**, maximum speeds only are given in the following order: CD read, CD write, CD re-write, DVD read.

[12] **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.

[13] **Wireless capability:** Requires compatible wireless-enabled options sold separately.

[14] **Response times may vary.** May exclude some holidays. Telephone support may be subject to additional charges.

[15] **Update Connector** is available at no charge to registered customers during the limited warranty period. Line charges may apply.

[16] **Embedded Security Subsystem** works with optional VPN software.

[18] **Embedded Security Subsystem** may require download of client security software from the Web.

[19] **Asset ID** allows system-specific information to be stored in a chip inside the system; it does not have any radio frequency support.

[20] **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

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March 2010
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