



Personal Systems Reference Lenovo® 3000 and Essential Desktops 2006 - 2013 Withdrawn

Last Update: April 2014 - Version 452



H4xx series Desktop



C3xx series All-In-One

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Lenovo C100



Lenovo C100



Lenovo C100

Lenovo® C100 (7869) - withdrawn

Type-model	Processor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Color	Blue-tooth	KBD	Mouse	Preload	Avail date
7869-1AU	Atom 230	1.60	1GB	18.5" WXGA	1.3	GMA	160GB ⁸	DVD±RW	11b/g ²⁸	Black	None	PS/2	USB	XP Home	Sep 09
7869-1EU	Atom 230	1.60	1GB	18.5" WXGA	1.3	GMA	160GB	DVD±RW		Black	None	PS/2	USB	XP Home	Sep 09
7869-1CU	Atom 330	1.60	2GB	18.5" WXGA	1.3	GMA	320GB	DVD±RW		Black	None	PS/2	USB	Home Basic	Sep 09

- **All-In-One design with 18.5" 16:9 widescreen**
- **Lenovo® Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Processor	Intel® Atom™ processor 230 with single-core, Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 512KB L2 cache or Intel Atom processor 330 with dual-core , Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 1MB L2 cache	Preloaded operating system²⁰ - <i>Some:</i> Genuine Windows® XP Home Edition - <i>Some:</i> Genuine Windows Vista® Home Basic 32
Memory	1GB or 2GB std / 2GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, one 200-pin SO-DIMM socket; standard memory in one socket; no sockets available	Preloaded applications¹⁴ • Lenovo OneKey Recovery • Driver and Application Installation • Trend Micro™ PC-cillin™ Internet Security 2008 • Windows Live™ Toolbar (Vista Models) • Cyberlink Power2Go (DVD±RW) • Corel® WinDVD®
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 160GB or 320GB , SATA 3.0Gb/s, 2.5" wide, 5400 rpm	
Widescreen display	18.5" (470.1mm) WXGA (1366x768) TFT color , anti-glare, CCFL backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio	
Camera Controls	Camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone Power button on right	
Graphics	Intel Graphics Media Accelerator 950 (GMA 950) , integrated graphics in 945GC, uses main memory	
Chipset	Intel 945GC Express Chipset , I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, ethernet MAC, USB, LPC bus)	
Multicard reader Ports	None <i>Rear:</i> Two USB 2.0, ethernet (RJ-45), keyboard (PS/2), microphone input jack (3.5 mm), headphone jack (3.5 mm) <i>Left:</i> Two USB 2.0	
Mini PCI Express 11b/g ²⁸ TV tuner Bluetooth™ Modem Ethernet Audio support	One Mini PCI Express slot <i>Some:</i> 11b/g wireless ⁴ , Mini PCIe adapter, Realtek® RTL8191SE None None None 10/100 ethernet on planar, Realtek 8103EL High Definition (HD) Audio, RealTek® ALC662 codec / two stereo speakers (2 watt) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	65-watt AC adapter RoHS-compliant
Security	Supervisor password	Limited Warranty¹² ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ↪ Service upgrade options (in eligible locations):⁹ • 3-year Lenovo Onsite Repair 9x5 Next Business Day (43R8882) ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Keyboard	PS/2 full-size keyboard	
Mouse	USB Optical Wheel Mouse	
Remote control	None	
Dimensions ³ Weight ² Chassis Stand	(<i>WxHxD</i>): 18.5" x 14.6" x 3.98"; 469mm x 370mm x 101mm 13.22 lb (6.0 kg) Black color Basic folding stand (adjustable between 35° and 54°)	

See footnotes for important warranty information
US models announced September 15, 2009
US models withdrawn effective July 2010



Lenovo C200
Black



Lenovo C200
Black



Lenovo C200
Black

Lenovo® C200 (4025) - XP Home - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Wide-screen display	Touch screen	Camera (mega-pixel)	Integrated graphics	SATA disk	SATA optical	TV tuner	Remote control	PCIe Mini Card 802.11	Blue-tooth	Preload	Avail date
4025-1AU	Atom D410	1.66	1GB	18.5" HD	None	0.3M	GMA 3150	160GB ⁸	DVD±RW	None	None	11b/g/n ²⁸	None	XP Home	Apr 10

- **All-In-One design with 18.5" 16:9 wide screen**
- **Lenovo® Rescue System provides OneKey recovery without booting into Windows**
- **Easily adjustable stand (-5° to +25° viewing angle)**

Processor	Intel® Atom™ Processor D410 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 800MHz) Hyper-Threading Technology, and 512KB L2 cache	Preloaded operating system²⁰ - Genuine Windows® XP Home Edition Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus 2009 (60 days of virus definitions) • Cyberlink Power2Go (DVD±RW) • Corel® WinDVD®
Memory	1GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Non-Italics</i> : standard memory in one sockets; one socket available	
SATA DVD±RW	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in	
SATA disk	160GB , SATA 3.0Gb/s, 2.5" wide, 5400 rpm	
Widescreen display	18.5" (470mm) HD (1366x768) TFT color , anti-glare, CCFL backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone	
Controls	Power button, brightness up, brightness down, and display on/off buttons	
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150) , integrated graphics in processor, uses main memory	
Chipset	Intel NM10 Express Chipset	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, xD-Picture Card™)	
Ports	<i>Rear</i> : Three USB 2.0, ethernet (RJ-45), keyboard (PS/2), <i>Side</i> : Two USB 2.0	65-watt AC adapter RoHS-compliant
PCIe Mini Card	One Mini PCI Express Mini Card slot	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Broadcom® BCM4313 or Atheros AR9285	
TV tuner	None	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Intel® 82552V	
Audio support	High Definition (HD) Audio, RealTek® ALC662 codec / two stereo speakers (3 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, supervisor password, security lockhole	
Keyboard	PS/2 full-size keyboard, black	
Mouse	USB Optical Wheel Mouse, black	
Remote control	None	
Dimensions ³	<i>(WxHxD) including stand</i> : 18.12" x 15.13" x 6.63"; 460.3mm x 384.3mm x 168.3mm	
Weight ²	16.01 lb (7.26kg)	
Chassis	Front bezel: black color; back bezel: black color	
Stand	Easily adjustable stand (-5° to +25° viewing angle)	

See footnotes for important warranty information
 US model announced April 28, 2010
 US models withdrawn effective October, 2010

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 (MAUI1-1) October 2010

Lenovo® C200 (4025) - Windows 7 - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Wide-screen display	Touch screen	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Color	TV tuner	PCIe Mini Card 802.11	Blue-tooth	Win7 preload	Avail date
4025-1BU	Atom D510	1.66	2GB DDR2	18.5" HD	Touch	0.3M	NVIDIA ION	320GB ⁸	DVD±RW	Black	None	11b/g/n ²⁸	None	Prem 32	Apr 10
4025-1CU	Atom D510	1.66	2GB DDR2	18.5" HD		0.3M	NVIDIA ION	320GB	DVD±RW	Black	None	11b/g/n	None	Prem 32	Apr 10
4025-3GU	Atom D510	1.66	1GB DDR2	18.5" HD		0.3M	GMA 3150	250GB	DVD±RW	Black	None	11b/g/n	None	Prem 32	Aug 10
4025-3LU	Atom D525	1.80	1GB DDR3	18.5" HD		0.3M	GMA 3150	250GB	DVD±RW	Black	None	11b/g/n	None	Prem 32	Mar 11

- **All-In-One design with 18.5" 16:9 wide screen**
- **Some: touchscreen supports one-finger touch**
- **Lenovo Rescue System provides OneKey recovery without booting into Windows**
- **Easily adjustable stand (-5° to +25° viewing angle)**
- **These systems are Microsoft Office 2010 Product Key Ready (O10PKR)**

Processor	Intel® Atom™ Processor D510 with dual-core, integrated DDR2 memory controller (up to 800MHz), Hyper-Threading Technology, and 1MB L2 cache Intel Atom Processor D525 with dual-core, integrated DDR2/DDR3 memory controller (up to 800MHz), Hyper-Threading Technology, and 1MB L2 cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 32 Preloaded applications¹⁴ (only some listed)
Memory	1GB or 2GB std / 4GB max ⁷ / non-parity, single-channel <i>Some: PC2-5300 667MHz DDR2</i> , two 200-pin SO-DIMM sockets; <i>Some: PC3-6400 800MHz DDR3</i> , two 204-pin SO-DIMM sockets; <i>Non-Italics:</i> standard memory in one socket; one socket available	<ul style="list-style-type: none"> • Lenovo OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Cyberlink Power2Go (DVD±RW) • Corel® WinDVD® • Lenovo IdeaTouch (Touch models) – Lenovo VeriTouch • Windows Live Essential • Microsoft® Office 2010 preloaded; purchase product key to activate
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 250GB or 320GB , SATA 3.0Gb/s, 2.5" wide, 5400 rpm	
Widescreen display	18.5" (470mm) HD (1366x768) TFT color , anti-glare, CCFL backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio; <i>Some:</i> touchscreen supports one-finger touch	
Camera Controls	Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone Power button, brightness up, brightness down, and display on/off buttons	
Graphics	<i>Some:</i> Intel Graphics Media Accelerator 3150 (GMA 3150) , in processor; <i>Some:</i> NVIDIA® ION™ graphics processor , DirectX 10, PureVideo® HD technology, 256MB memory	
Chipset	Intel NM10 Express Chipset	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity)	
Ports	<i>Rear:</i> Three USB 2.0, ethernet (RJ-45), keyboard (PS/2), <i>Side:</i> Two USB 2.0	65-watt AC adapter RoHS-compliant
PCIe Mini Card 11b/g/n ²⁸ TV tuner Bluetooth™ Modem Ethernet Audio support	One Mini PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card, Broadcom® BCM4313 or Atheros® AR9285 None None None 10/100 ethernet on planar, Intel® 82552V High Definition (HD) Audio, RealTek® ALC662 codec / two stereo speakers (3 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Security	Power-on password, supervisor password, security lockhole	
Keyboard Mouse Remote control	PS/2 full-size keyboard, black USB Optical Wheel Mouse, black None	
Dimensions ³ Weight ²	<i>(WxHxD) including stand:</i> 18.12" x 15.13" x 6.63"; 460.3mm x 384.3mm x 168.3mm <i>Non-touchscreen model:</i> 16.0lb (7.26kg); <i>Touchscreen model:</i> 17.1lb (7.76kg)	
Chassis Stand	Front bezel: black color; back bezel: black color Easily adjustable stand (-5° to +25° viewing angle)	

See footnotes for important warranty information
 US models announced April 28 or August 25, 2010 or March 23, 2011
 US models withdrawn effective December, 2012

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 (MAUI1-2) December 2012

Lenovo® C200 (4025) - Windows 7 (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Wide-screen display	Touch screen	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Color	TV tuner	PCIe Mini Card 802.11	Blue-tooth	Win7 preload	Avail date
4025-3HU	Atom D410	1.66	2GB	18.5" HD	None	0.3M	GMA 3150	320GB ⁸	DVD±RW	Black	None	11b/g/n ²⁸	None	Prem 32	Sep 10
4025-3JU	Atom D510	1.66	2GBx2	18.5" HD	None	0.3M	GMA 3150	500GB	DVD±RW	Black	None	11b/g/n	None	Prem 64	Sep 10
4025-3KU	Atom D510	1.66	2GBx2	18.5" HD	None	0.3M	NVIDIA ION	500GB	DVD±RW	Black	None	11b/g/n	None	Prem 64	Sep 10

- **All-In-One design with 18.5" 16:9 wide screen**
- **Lenovo® Rescue System provides OneKey recovery without booting into Windows**
- **Easily adjustable stand (-5° to +25° viewing angle)**

Processor	Intel® Atom™ Processor D410 with single-core, integrated DDR2 memory controller (up to 800MHz), Hyper-Threading Technology, and 512KB L2 cache or Intel Atom Processor D510 with dual-core , integrated DDR2 memory controller (up to 800MHz), Hyper-Threading Technology, and 1MB L2 cache	Preloaded operating system²⁰ - <i>Some:</i> Genuine Windows® 7 Home Premium 32 - <i>Some:</i> Genuine Windows 7 Home Premium 64
Memory	2GB or 4GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, single-channel, two 200-pin SO-DIMM sockets	Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Cyberlink Power2Go (DVD±RW) • Corel® WinDVD® • Lenovo IdeaTouch (Touch models) – Lenovo VeriTouch • Windows Live Essential • Microsoft® Office 2007 Trial (60-day)
SATA optical	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Service upgrade options (in eligible locations):⁹ • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
SATA disk	320GB or 500GB , SATA 3.0Gb/s, 2.5" wide, 5400 rpm	
Widescreen display	18.5" (470mm) HD (1366x768) TFT color , anti-glare, CCFL backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio	
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone	
Controls	Power button, brightness up, brightness down, and display on/off buttons	
Graphics	<i>Some:</i> Intel Graphics Media Accelerator 3150 (GMA 3150) , in processor; <i>Some:</i> NVIDIA® ION™ graphics processor , DirectX® 10, PureVideo® HD technology, 256MB memory	
Chipset	Intel NM10 Express Chipset	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity)	
Ports	<i>Rear:</i> Three USB 2.0, ethernet (RJ-45), keyboard (PS/2) <i>Side:</i> Two USB 2.0	
PCIe Mini Card	One Mini PCI Express Mini Card slot	
TV tuner	11b/g/n wireless ⁴ , PCIe Mini Card, Broadcom® BCM4313 or Atheros® AR9285	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Intel® 82552V	
Audio support	High Definition (HD) Audio, Realtek® ALC662 codec / two stereo speakers (3 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, supervisor password, security lockhole	
Keyboard	PS/2 full-size keyboard, black	
Mouse	USB Optical Wheel Mouse, black	
Remote control	None	
Dimensions ³	<i>(WxHxD) including stand:</i> 18.12" x 15.13" x 6.63"; 460.3mm x 384.3mm x 168.3mm	
Weight ²	<i>Non-touchscreen model:</i> 16.0lb (7.26kg); <i>Touchscreen model:</i> 17.1lb (7.76kg)	
Chassis	Front bezel: black color; back bezel: black color	
Stand	Easily adjustable stand (-5° to +25° viewing angle)	

See footnotes for important warranty information
 US models announced September 8, 2010
 US models withdrawn effective December, 2012

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 (MAUI1-3) December 2012

Lenovo® C205 (7729) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Pro-processor	GHz	Memory	Wide-screen display	CCFL or LED	Touch screen	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Color	TV tuner	PCIe Mini Card 802.11	Blue-tooth	AC adapter	Win7 preload
7729-1LU	E-350	1.60	2GBx1	18.5" HD	LED	None	0.3M	HD6310	320GB ⁸	DVD±RW	Black	None	11b/g/n ²⁸	None	65W	Home Prem 64
7729-1KU	E-350	1.60	4GBx1	18.5" HD	LED	None	0.3M	HD6310	500GB	DVD±RW	Black	None	11b/g/n	None	65W	Home Prem 64

- **All-In-One design with 18.5" 16:9 wide screen**
- **Some: touchscreen supports one-finger touch**
- **Lenovo Rescue System provides OneKey recovery without booting into Windows**
- **Easily adjustable stand (-5° to +20° viewing angle)**
- **These systems are Microsoft Office 2010 Product Key Ready (O10PKR)**

Processor	AMD Accelerated Processor E-350 (dual-core, 1.60GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310 Graphics, integrated DDR3 memory controller (up to 1066MHz)	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Cyberlink Power2Go (DVD±RW) • CyberLink YouCam • Lenovo IdeaTouch (Touch models) <ul style="list-style-type: none"> - PowerCinema - Lenovo VeriTouch - PhotoStudio Paint - Lenovo Ebook and Quick Notes • Windows Live Essential • Microsoft® Office 2010 preloaded; purchase product key to activate • Lenovo Dynamic Brightness System • Lenovo Eye Distance System
Memory	8GB max ⁷ / non-parity, PC3-10600 1333MHZ DDR3* , two 204-pin SO-DIMM sockets; * System automatically clocks down for processors with 1066MHz DDR3 memory controller	
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 320GB (5400 rpm) or 500GB (5400 rpm), SATA 3.0Gb/s, 2.5" wide	
Widescreen display	18.5" (470mm) HD (1366x768) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio; <i>Some:</i> touchscreen supports one-finger touch	
Camera Controls	Camera on top of screen, 0.3-megapixel, fixed focus Power button, brightness up, brightness down, and display on/off buttons	
Graphics	AMD Radeon HD 6310 Graphics in processor, DirectX® 11, use system memory	
Chipset	AMD A45 FCH	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity)	
Ports	<i>Rear:</i> Three USB 2.0, ethernet (RJ-45), keyboard (PS/2), <i>Side:</i> Two USB 2.0	
PCIe Mini Card 11b/g/n ²⁸ TV tuner Bluetooth™ Modem Ethernet Audio support	Two PCIe Mini Card slots (one full size and one half size) 11b/g/n wireless ⁴ , PCIe Mini Card, Broadcom®, Realtek®, or Atheros® chip None None None Gigabit ethernet on planar, Realtek RTL8111E High Definition (HD) Audio, Realtek ALC662 codec / two stereo speakers (3 watt x 2) / mono microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, administrator password, security lockhole	
Keyboard Mouse Remote control	PS/2 full-size keyboard, black USB Optical Wheel Mouse, black None	
Dimensions ³ Weight ²	<i>(WxHxD) including stand:</i> 18.12" x 15.13" x 6.63"; 460.3mm x 384.3mm x 168.3mm <i>Non-touchscreen model:</i> 12.8lb (5.8kg); <i>Touchscreen model:</i> 13.4lb (6.1kg)	
Chassis Stand	Front bezel: black color; back bezel: black color Easily adjustable stand (-5° to +20° viewing angle)	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
 US models announced September 1, 2011
 US models withdrawn effective December, 2012

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 (MAUI2-1) December 2012



Lenovo C300



Lenovo C300



Lenovo C300



Lenovo C300



Lenovo C300



Lenovo C300

Type-model	Processor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Color	Blue-tooth	KBD	Mouse	Preload	Avail date
3012-1AU	Atom 230	1.60	1GB	20" WXGA++	1.3	GMA	160GB ⁸	DVD±RW	11b/g ²⁸	Black	None	PS/2	USB	XP Home	Jun 09
3012-1JU	Atom 230	1.60	1GB	20" WXGA++	1.3	GMA	160GB	DVD±RW	11b/g	Black	None	PS/2	USB	XP Home	Sep 09
3012-1OU	Atom 230	1.60	2GB	20" WXGA++	1.3	GMA	320GB	DVD±RW	11b/g	Black	None	PS/2	USB	Home Basic	Sep 09
3012-1EU	Atom 230	1.60	3GB	20" WXGA++	1.3	GMA	320GB	DVD±RW	11b/g	Black	None	PS/2	USB	Home Basic	Jun 09
3012-1RU	Atom 230	1.60	3GB	20" WXGA++	1.3	GMA	500GB	DVD±RW	11b/g	Black	None	PS/2	USB	Prem 32	Sep 09
3012-2DU	Atom 330	1.60	4GB	20" WXGA++	1.3	HD 4530	640GB	DVD±RW	11b/g	Black	None	PS/2	USB	Prem 32	Jun 09

- **All-In-One design with 20" 16:9 widescreen**
- **Lenovo® Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **Advanced hinge design allows changing the screen angle with only one hand, and resting the screen angle at any intermediate position between 12° and 40°**

Processor	Intel® Atom™ processor 230 with single-core, Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 512KB L2 cache or Intel Atom processor 330 with dual-core , Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 1MB L2 cache	Preloaded operating system²⁰ <ul style="list-style-type: none"> - <i>Some:</i> Genuine Windows® XP Home Edition - <i>Some:</i> Genuine Windows Vista® Home Basic 32 - <i>Some:</i> Genuine Windows Vista Home Premium 32 Preloaded applications¹⁴ <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Driver and Application Installation • Trend Micro™ PC-cillin™ Internet Security 2008 • Windows Live™ Toolbar (Vista Models) • Cyberlink Power2Go (DVD±RW) • Corel® WinDVD®
Memory	1GB, 3GB, or 4GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available <i>Non-italics:</i> standard memory in one socket; one socket available	
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 160GB, 320GB, 500GB, or 640GB , SATA 3.0Gb/s, 3.5" wide, 7200 rpm	
Widescreen display	20" (508mm) WXGA++ (1600x900) TFT color , anti-glare, CCFL backlight, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio	
Camera Controls	Camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone Brightness up/down buttons, display on/off button, and power button	
Graphics	<i>Some:</i> Intel Graphics Media Accelerator 950 (GMA 950) , integrated graphics in 945GC, uses main memory <i>Some:</i> ATI™ Mobility Radeon™ HD 4530 , PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD	
Chipset	Intel 945GC Express Chipset , I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, ethernet MAC, USB, LPC bus)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	<i>Rear:</i> Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) <i>Left:</i> Two USB 2.0	
Mini PCI Express 11b/g ²⁸ TV tuner Bluetooth™ Modem Ethernet Audio support	One Mini PCI Express slot 11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312 None None None 10/100 ethernet on planar, Intel 82562G High Definition (HD) Audio, RealTek® ALC662 codec / two stereo speakers (2 watt) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, supervisor password, security lockhole	120-watt AC adapter RoHS-compliant
Keyboard Mouse Remote control	PS/2 full-size keyboard USB Optical Wheel Mouse None	Limited Warranty¹² <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 3-year Lenovo Onsite Repair 9x5 Next Business Day (43R8882) • 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Dimensions ³	(<i>WxHxD</i>): 19.05" x 14.12" x 3.28"; 484mm x 359mm x 83mm	
Weight ²	13.8 lb (6.26 kg)	
Chassis Stand	Black color Fold-away stand (adjustable between 12° and 40°)	

See footnotes for important warranty information
US models announced June 24 and September 10, 2009
US models withdrawn effective October, 2010

Lenovo® C300 (3012) - Windows 7 - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Discrete graphics	SATA disk	SATA optical	TV tuner	Remote control	Mini PCIe 802.11 wireless	Color	Blue-tooth	Win7 preload	Avail date
3012-2VU	Atom 330	1.60	2GB	20" WXGA++	1.3M	HD 4530	320GB ⁸	DVD±RW	None	None	11b/g ²⁸	Black	None	Prem 32	Dec 09
3012-2KU	Atom 330	1.60	3GB	20" WXGA++	1.3M	HD 4530	500GB	DVD±RW	None	None	11b/g	Black	None	Prem 32	Nov 09

- **All-In-One design with 20" 16:9 widescreen**
- **Lenovo® Rescue System provides OneKey recovery without booting into Windows**
- **Advanced hinge design allows changing the screen angle with only one hand, and resting the screen angle at any intermediate position between 12° and 40°**

Processor	Intel® Atom™ processor 330 with dual-core, Hyper-Threading Technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 1MB L2 cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 32 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus 2009 (60 days of virus definitions) • Cyberlink Power2Go (DVD±RW) • Corel® WinDVD®
Memory	2GB or 3GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-Italics:</i> standard memory in one sockets; one sockets available	
SATA DVD±RW	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in	
SATA disk	320GB or 500GB , SATA 3.0Gb/s, 3.5" wide, 7200 rpm	
Widescreen display	20" (508mm) WXGA++ (1600x900) TFT color , anti-glare, CCFL backlight, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone	
Controls	Brightness up/down buttons, display on/off buttons, and power button	
Discrete Graphics	ATI™ Mobility Radeon™ HD 4530 , PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD	
Chipset	Intel 945GC Express Chipset , I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, ethernet MAC, USB, LPC bus)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	<i>Rear:</i> Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) <i>Left:</i> Two USB 2.0	
Mini PCI Express	One Mini PCI Express slot	120-watt AC adapter
11b/g ²⁸	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312	RoHS-compliant
TV tuner	None	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 3-year Lenovo Onsite Repair 9x5 Next Business Day (43R8882) ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Intel 82562G	
Audio support	High Definition (HD) Audio, RealTek® ALC662 codec / two stereo speakers (2 watt) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, supervisor password, security lockhole	
Keyboard	PS/2 full-size keyboard	
Mouse	USB Optical Wheel Mouse	
Remote control	None	
Dimensions ³	(WxHxD): 19.05" x 14.12" x 3.28"; 484mm x 359mm x 83mm	
Weight ²	13.8 lb (6.26 kg)	
Chassis	Black color	
Stand	Fold-away stand (adjustable between 12° and 40°)	

See footnotes for important warranty information
 US model announced on November 3 and December 17, 2009;
 US models withdrawn effective October, 2010

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 (CRB1-2) October 2010



Lenovo C315



Lenovo C315



Lenovo C315



Lenovo C315

Lenovo® C315 (4022) - Windows 7 - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Wide-screen display	Multi-Touch screen	Camera (mega-pixel)	Discrete graphics	SATA disk	SATA optical	TV tuner	Remote control	PCIe Mini Card 802.11	Blue-tooth	Win7 preload	Avail date
4022-1AU	Athlon II X2 250u	1.60	2GB	20" HD+	Multi	0.3M	HD 4530	320GB ⁸	DVD±RW	None	None	11b/g ²⁸	None	Prem 32	Apr 10

- **All-In-One design with 20" 16:9 multi-touch screen**
- **Lenovo® Rescue System provides OneKey recovery without booting into Windows**
- **Advanced hinge design allows changing the screen angle with only one hand, and resting the screen angle at any intermediate position between 12° and 40°**

Processor	AMD® Athlon™ II X2 Processor 250u with dual-core, 3200MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, int DDR2 memory controller, and 2MB L2 cache (1MB per core)	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 32
Memory	2GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Non-Italics:</i> standard memory in one sockets; one socket available	Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Cyberlink Power2Go (DVD±RW) • Lenovo IdeaTouch – PowerCinema – Lenovo VeriTouch – AutoCollage Touch • Windows Live Essential • Microsoft® Office 2007 Trial (60-day)
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 320GB , SATA 3.0Gb/s, 3.5" wide, 7200 rpm	120-watt AC adapter RoHS-compliant
Widescreen display	20" (508mm) HD+ (1600x900) TFT color , anti-glare, CCFL backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, MultiTouch	
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone	Limited Warranty¹² ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ↪ Service upgrade options (in eligible locations):⁹ • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Controls	Power button, touch-sensitive buttons for brightness +/-, volume +/-, and display on/off	
Discrete Graphics	ATI™ Mobility Radeon™ HD 4530 , PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD	
Chipset	AMD 690M Chipset , SB600 south bridge	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	<i>Rear:</i> Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) <i>Side:</i> Two USB 2.0	
PCIe Mini Card	Two Mini PCI Express Mini Card slots	
11b/g ²⁸	11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312	
TV tuner	None	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet on planar, Broadcom® BCM5787	
Audio support	High Definition (HD) Audio, RealTek® ALC262 codec / two stereo speakers (2 watt) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, supervisor password, security lockhole	
Keyboard	PS/2 full-size keyboard, black	
Mouse	USB Optical Wheel Mouse, black	
Remote control	None	
Dimensions ³	(<i>WxHxD</i>): 19.05" x 14.12" x 2.56"; 484mm x 359mm x 65mm	
Weight ²	16.3 lb (7.4 kg)	
Chassis	Front bezel: brown color; back bezel: black color	
Stand	Fold-away stand (adjustable between 12° and 40°)	

See footnotes for important warranty information
US model(s) announced April 28, 2010
US model(s) withdrawn effective April 2013

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(BHM1-2) April 2013

Lenovo® C315 (4022) - Windows 7 (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Wide-screen display	Multi-Touch screen	Camera (mega-pixel)	Discrete graphics	SATA disk	SATA optical	TV tuner	Remote control	PCIe Mini Card 802.11	Blue-tooth	Win7 preload	Avail date
4022-1FU	Athlon II X2 250u	1.60	2GB	20" HD+	Multi	0.3M	HD 4530	320GB ⁸	DVD±RW	TV	Remote	11b/g ²⁸	None	Prem 32	Apr 10
4022-1GU	Athlon II X2 250u	1.60	4GB	20" HD+	Multi	0.3M	HD 4530	500GB	DVD±RW	TV	Remote	11b/g	None	Prem 64	Apr 10

- **All-In-One design with 20" 16:9 multi-touch screen**
- **Lenovo® Rescue System provides OneKey recovery without booting into Windows**
- **Advanced hinge design allows changing the screen angle with only one hand, and resting the screen angle at any intermediate position between 12° and 40°**

Processor	AMD® Athlon™ II X2 Processor 250u with dual-core, 3200MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, int DDR2 memory controller, and 2MB L2 cache (1MB per core)	Preloaded operating system²⁰ - <i>Some:</i> Genuine Windows® 7 Home Premium 32 - <i>Some:</i> Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Cyberlink Power2Go (DVD±RW) • Lenovo IdeaTouch – PowerCinema – Lenovo VeriTouch – AutoCollage Touch • Windows Live Essential • Microsoft® Office 2007 Trial (60-day)
Memory	2GB or 4GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-Italics:</i> standard memory in one sockets; one socket available	
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 320GB or 500GB , SATA 3.0Gb/s, 3.5" wide, 7200 rpm	
Widescreen display	20" (508mm) HD+ (1600x900) TFT color , anti-glare, CCFL backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, MultiTouch	
Camera Controls	Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone Power button, touch-sensitive buttons for brightness +/-, volume +/-, and display on/off	
Discrete Graphics	ATI™ Mobility Radeon™ HD 4530 , PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD	
Chipset Multicard reader	AMD 690M Chipset , SB600 south bridge 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	<i>Rear:</i> Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), TV antenna connector, IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) <i>Side:</i> Two USB 2.0	
PCIe Mini Card 11b/g ²⁸ TV tuner	Two Mini PCI Express Mini Card slots 11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312 AverMedia Hybrid TV MiniCard A317, PCIe Mini Card adapter, supports analog (NTSC) and digital (ATSC) signal	
Bluetooth™ Modem Ethernet Audio support	None None 10/100 ethernet on planar, Broadcom® BCM5787 High Definition (HD) Audio, RealTek® ALC262 codec / two stereo speakers (2 watt) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, supervisor password, security lockhole	
Keyboard Mouse Remote control	PS/2 full-size keyboard, black USB Optical Wheel Mouse, black Philips®Win7 MCE remote control (40-button)	
Dimensions ³ Weight ² Chassis Stand	(<i>WxHxD</i>): 19.05" x 14.12" x 2.56"; 484mm x 359mm x 65mm 16.3 lb (7.4 kg) Front bezel: brown color; back bezel: black color Fold-away stand (adjustable between 12° and 40°)	
		Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Service upgrade options (in eligible locations):⁹ • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
 US model(s) announced April 28, 2010
 US model(s) withdrawn effective April 2013

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 (BHM1-1) April 2013



Lenovo C225/C325



Lenovo C225/C325



Lenovo C225/C325



Lenovo C225/C325



Lenovo C225/C325

Lenovo® C225 (3079) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Wide-screen display	CCFL or LED	Touch screen	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Color	TV tuner	PCIe Mini Card 802.11	Bluetooth	Keyboard/Mouse	Win7 preload
3079-2AU	E-450	1.65	4+2GB	18.5" HD	LED	None	0.3M	HD 6320	1TB ⁸	DVD±RW	Black	None	11b/g/n ²⁸	None	USB/Black	Prem 64
3079-3AU	E-450	1.65	2GBx2	18.5" HD	LED	None	0.3M	HD 6320	500GB	DVD±RW	White	None	11b/g/n	None	USB/White	Prem 64

- **All-In-One design with 18.5" 16:9 wide screen**
- **SRS® Premium Sound audio enhancement for immersive surround sound**
- **Audio-in port to play music from your MP3 player without switching on the computer**
- **Lenovo Rescue System provides OneKey recovery without booting into Windows**
- **Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Processor	AMD Accelerated Processor E-450 (dual-core, 1.65GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6320 Graphics, integrated DDR3 memory controller (up to 1333MHz)	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64
Memory	8GB max ⁷ / non-parity, PC3-10600 1333MHz DDR3 , two 204-pin SO-DIMM sockets	Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Cyberlink Power2Go (DVD±RW) • CyberLink YouCam • Lenovo Fun Zone • Power Setting • SRS Premium Sound • Windows Live Essentials • Microsoft® Office 2010 preloaded; purchase product key to activate • Lenovo Dynamic Brightness System • Lenovo Eye Distance System
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 500GB (7200 rpm) or 1TB (7200 rpm), SATA 3.0Gb/s, 3.5" wide	
Widescreen display	18.5" (470mm) HD (1366x768) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio	
Multi-touch	None	
Camera	Camera on top of screen, 0.3-megapixel, fixed focus	
Controls	Power on/off, menu, left, right, and display on/off buttons	
Graphics	AMD Radeon HD 6320 Graphics in processor, DirectX® 11, use system memory	
Chipset	AMD A45 FCH	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity)	
Ports	<i>Rear:</i> Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped with TV tuner <i>Side:</i> Two USB 2.0	
PCIe Mini Card 11b/g/n ²⁸ TV tuner	Two PCIe Mini Card slots (one full size and one half size) 11b/g/n wireless ⁴ , PCIe half Mini Card, Broadcom®, Realtek®, or Atheros® chip None	65-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Bluetooth™ Modem	None None	
Ethernet	Gigabit ethernet on planar, Realtek RTL8111E	Limited Warranty¹² <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / SRS® Premium Sound™ certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, administrator password, security lockhole	
Keyboard	<i>Some:</i> USB full-size keyboard, black <i>Some:</i> USB full-size keyboard, white	
Mouse	<i>Some:</i> USB Optical Wheel Mouse, black <i>Some:</i> USB Optical Wheel Mouse, white	
Remote control	None	
Dimensions ³	<i>(WxHxD) including stand:</i> 18.09" x 15.59" x 9.38"; 459.5mm x 396.1mm x 238.2mm	
Weight ²	From 12.65lb (5.74kg), vary by configuration	
Chassis	Front bezel: black or white color; back bezel: black or white color	
Stand	Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)	

See footnotes for important warranty information

US model(s) announced December 21, 2011

US model(s) withdrawn effective April 2013

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(PRSA1-1) April 2013

Lenovo® C325 (3095) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Wide-screen display	Multi-Touch screen	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Color	TV tuner	PCIe Mini Card 802.11	Remote control	HDMI-out	Keyboard/Mouse	Win7 preload
3095-8AU	E-450	1.65	4GBx1	20.0" HD+	None	0.3M	HD 6320	500GB ⁸	DVD±RW	Black	None	11b/g/n ²⁸	None	None	USB/Black	Prem 64
3095-3BU	E-450	1.65	4GBx1	20.0" HD+	None	0.3M	HD 6320	500GB	DVD±RW	Black	None	11b/g/n	None	HDMI-out	USB/Black	Prem 64
3095-4BU	E-350	1.60	4GBx1	20.0" HD+	None	0.3M	HD 6310	500GB	DVD±RW	Black	None	11b/g/n	None	HDMI-out	USB/Black	Prem 64

- **All-In-One design with 20.0" 16:9 wide screen with optional multi-touch**
- **SRS® Premium Sound audio enhancement for immersive surround sound**
- **Audio-in port to play music from your MP3 player without switching on the computer**
- **Lenovo Rescue System provides OneKey recovery without booting into Windows**
- **Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Processor	AMD Accelerated Processor E-350 (dual-core, 1.60GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310 Graphics, integrated DDR3 memory controller (up to 1066MHz) AMD Accelerated Processor E-450 (dual-core, 1.65GHz, 1MB L2 cache), integrated AMD Radeon HD 6320 Graphics, integrated DDR3 memory controller (up to 1333MHz)											Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed)	
Memory	8GB max ⁷ / non-parity, PC3-10600 1333MHz DDR3* , two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller											<ul style="list-style-type: none"> • Lenovo OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Cyberlink Power2Go (DVD±RW) • CyberLink YouCam • Lenovo Fun Zone • Power Setting • SRS Premium Sound • Windows Live Essentials • Microsoft® Office 2010 preloaded; purchase product key to activate • Lenovo Dynamic Brightness System • Lenovo Eye Distance System 	
SATA DVD±RW	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in												
SATA disk	500GB (7200 rpm), SATA 3.0Gb/s, 3.5" wide												
Widescreen display	20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio												
Multi-touch	None												
Camera	Camera on top of screen, 0.3-megapixel, fixed focus												
Controls	Power on/off, menu, left, right, and display on/off buttons												
Graphics	AMD Radeon HD 6320 Graphics in processor, DirectX® 11, use system memory												
Chipset	AMD A45 FCH												
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity)												
Ports	Rear: Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped with TV tuner, optional HDMI-out Side: Two USB 2.0											65-watt AC adapter ENERGY STAR® qualified RoHS-compliant	
PCIe Mini Card	Two PCIe Mini Card slots (one full size and one half size)											Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686	
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe half Mini Card, Broadcom®, Realtek®, or Atheros® chip												
TV tuner	None												
Bluetooth™	None												
Modem	None												
Ethernet	Gigabit ethernet on planar, Realtek RTL8111E												
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / SRS® Premium Sound™ certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5 mm), headphone jack (3.5 mm)												
Security	Power-on password, administrator password, security lockhole												
Keyboard	USB full-size keyboard, black												
Mouse	USB Optical Wheel Mouse, black												
Remote control	None												
Dimensions ³	<i>(WxHxD) including stand:</i> 19.65" x 16.82" x 9.38"; 499.0mm x 427.2mm x 238.2mm												
Weight ²	<i>Non-touch models:</i> from 13.9lb (6.3kg), vary by configuration <i>Touch models:</i> from 15.7lb (7.1kg), vary by configuration												
Chassis	Front bezel: black or white color; back bezel: black or white color												
Stand	Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)												

See footnotes for important warranty information
 US model(s) March 21 or August 29, 2012
 US model(s) withdrawn effective April 2013

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Lenovo® C325 (3095) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Wide-screen display	CCFL or LED	Multi-Touch screen	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Color	TV tuner	PCIe Mini Card 802.11	Remote control	Keyboard/Mouse	Win7 preload
3095-2AU	E-450	1.65	4+2GB	20.0" HD+	LED		0.3M	HD 6320	1TB	DVD±RW	White		11b/g/n ²⁸		USB/White	Prem 64
3095-3AU	E-450	1.65	4GBx2	20.0" HD+	LED		0.3M	HD 6320	1TB	DVD±RW	Black		11b/g/n		USB/Black	Prem 64
3095-4AU	E-450	1.65	4+2GB	20.0" HD+	LED	Multi	0.3M	HD 6320	1TB	DVD±RW	Black	TV	11b/g/n	Remote/Black	USB/Black	Prem 64
3095-5AU	E-450	1.65	4+2GB	20.0" HD+	LED		0.3M	HD 6320	1TB	DVD±RW	White	TV	11b/g/n	Remote/White	USB/White	Prem 64
3095-6AU	E-450	1.65	4GBx2	20.0" HD+	LED		0.3M	HD 6320	1TB	DVD±RW	Black	TV	11b/g/n	Remote/Black	USB/Black	Prem 64
3095-8BU	E-350	1.60	4GBx2	20.0" HD+	LED		0.3M	HD 6310	1TB	DVD±RW	White		11b/g/n		USB/White	Prem 64
3095-6BU	E-450	1.65	4GBx2	20.0" HD+	LED		0.3M	HD 6320	1TB	DVD±RW	White	TV	11b/g/n	Remote/White	USB/White	Prem 64
3095-2CU	E-450	1.65	4GBx2	20.0" HD+	LED		0.3M	HD 6320	1TB	DVD±RW	Black	TV	11b/g/n	Remote/Black	USB/Black	Prem 64
3095-7BU	E-450	1.65	4GBx2	20.0" HD+	LED		0.3M	HD 6320	1TB	DVD±RW	Black		11b/g/n		USB/Black	Prem 64

- **All-In-One design with 20.0" 16:9 wide screen with optional multi-touch**
- **SRS® Premium Sound audio enhancement for immersive surround sound**
- **Audio-in port to play music from your MP3 player without switching on the computer**
- **Lenovo Rescue System provides OneKey recovery without booting into Windows**
- **Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Processor	AMD Accelerated Processor E-350 (dual-core, 1.60GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310 Graphics, integrated DDR3 memory controller (up to 1066MHz) AMD Accelerated Processor E-450 (dual-core, 1.65GHz, 1MB L2 cache), integrated AMD Radeon HD 6320 Graphics, integrated DDR3 memory controller (up to 1333MHz)	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed)
Memory	8GB max ⁷ / non-parity, PC3-10600 1333MHz DDR3* , two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	<ul style="list-style-type: none"> • Lenovo OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Cyberlink Power2Go (DVD±RW) • CyberLink YouCam • Lenovo Fun Zone • Power Setting • SRS Premium Sound • Lenovo IdeaTouch (Touch models) <ul style="list-style-type: none"> - PowerCinema - Lenovo VeriTouch - PhotoStudio Paint - Lenovo Ebook and Quick Notes • Windows Live Essentials • Microsoft® Office 2010 preloaded; purchase product key to activate • Lenovo Dynamic Brightness System • Lenovo Eye Distance System
SATA DVD±RW	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in	
SATA disk	1TB (7200 rpm), SATA 3.0Gb/s, 3.5" wide	
Widescreen display	20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio	
Multi-touch	<i>Some:</i> multi-touch, 2-point support	
Camera	Camera on top of screen, 0.3-megapixel, fixed focus	
Controls	Power on/off, menu, left, right, and display on/off buttons	
Graphics	AMD Radeon HD 6320 or HD 6310 Graphics in processor, DirectX® 11, use system memory	
Chipset	AMD A45 FCH	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity)	
Ports	<i>Rear:</i> Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped with TV tuner <i>Side:</i> Two USB 2.0	
PCIe Mini Card	Two PCIe Mini Card slots (one full size and one half size)	
TV tuner	11b/g/n wireless ⁴ , PCIe half Mini Card, Broadcom®, Realtek®, or Atheros® chip	
Bluetooth™	<i>Some:</i> ATSC tuner, supports analog and digital signal, PCIe Mini Card	
Modem	None	
Ethernet	Gigabit ethernet on planar, Realtek RTL8111E	
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / SRS® Premium Sound™ certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5 mm), headphone jack (3.5 mm)	65-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Security	Power-on password, administrator password, security lockhole	Limited Warranty ¹² ⇨ 1-year parts and labor ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ²³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Keyboard	<i>Some:</i> USB full-size keyboard, black <i>Some:</i> USB full-size keyboard, white	
Mouse	<i>Some:</i> USB Optical Wheel Mouse, black <i>Some:</i> USB Optical Wheel Mouse, white	
Remote control	<i>Some:</i> MCE remote control, via IR, black <i>Some:</i> MCE remote control, via IR, white	
Dimensions ³	<i>(WxHxD) including stand:</i> 19.65" x 16.82" x 9.38"; 499.0mm x 427.2mm x 238.2mm	
Weight ²	<i>Non-touch models:</i> from 13.9lb (6.3kg), vary by configuration <i>Touch models:</i> from 15.7lb (7.1kg), vary by configuration	
Chassis	Front bezel: black or white color; back bezel: black or white color	
Stand	Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)	


See footnotes for important warranty information

US model(s) announced December 21, 2011 or June 6 or September 19, 2012

US model(s) withdrawn effective April 2013

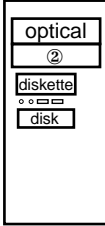
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Slot x Type-mod bay	Intel Processor	L2 GHz cache	Bus MHz	Memory	Diskette drive	Media reader	SATA disk	EIDE optical	Integrated graphics	Chip- set	Mo- dem	Ext speakers	Pre- load	Limited warranty ¹	Avail date
8253-25U 4x4	Pentium 4 516	2.93 1MB	533MHz	256MB	Dskte		80GB ²	CD	SiS Mirage	661FX	Yes	Spkrs	Home	1-yr	Feb 06
8253-26U 4x4	Pentium 4 516	2.93 1MB	533MHz	256MB	Dskte		80GB	CD	SiS Mirage	661FX			XP Pro	1-yr	Feb 06
8253-27U 4x4	Pentium 4 516	2.93 1MB	533MHz	512MB	Dskte		80GB	CD	SiS Mirage	661FX			Pro/SBE	1-yr	Feb 06
8253-28U 4x4	Pentium 4 516	2.93 1MB	533MHz	512MB			80GB	Combo	SiS Mirage	661FX			XP Pro	1-yr	Feb 06
8253-F1U 4x4	Pentium 4 521	2.80 1MB	800MHz	512MB		9-in-1	160GB	DVD±RW	SiS Mirage	661FX	Yes	Spkrs	Home	1-yr	Apr 06
8253-3FU 4x4	Pentium 4 521	2.80 1MB	800MHz	256MB	Dskte		80GB	CD	SiS Mirage	661FX			XP Pro	1-yr	May 06
8253-3GU 4x4	Pentium 4 521	2.80 1MB	800MHz	512MB	Dskte		80GB	CD	SiS Mirage	661FX			Pro/SBE	1-yr	May 06
8253-3HU 4x4	Pentium 4 521	2.80 1MB	800MHz	512MB			80GB	Combo	SiS Mirage	661FX			XP Pro	1-yr	May 06
8253-4HU 4x4	Pentium 4 524	3.06 1MB	533MHz	256MB	Dskte		80GB	CD	SiS Mirage	661FX	Yes	Spkrs	Home	1-yr	July 06
8253-4JU 4x4	Pentium 4 524	3.06 1MB	533MHz	256MB	Dskte		80GB	CD	SiS Mirage	661FX			XP Pro	1-yr	July 06
8253-4LU 4x4	Pentium 4 524	3.06 1MB	533MHz	512MB			80GB	Combo	SiS Mirage	661FX			XP Pro	1-yr	July 06
8253-4MU 4x4	Pentium 4 524	3.06 1MB	533MHz	512MB		9-in-1	160GB	Combo	SiS Mirage	661FX	Yes	Spkrs	Home	1-yr	July 06
8253-5AU 4x4	Pentium 4 541	3.20 1MB	800MHz	512MB			80GB	Combo	SiS Mirage	661FX			XP Pro	1-yr	July 06
8253-5CU 4x4	Pentium 4 541	3.20 1MB	800MHz	1GB			160GB	DVD±RW	SiS Mirage	661FX			XP Pro	1-yr	July 06
8253-D4U 4x4	Pentium 4 630	3.00 2MB	800MHz	512MB			80GB	Combo	SiS Mirage	661FX	Yes	Spkrs	Home	1-yr	July 06
8253-D5U 4x4	Pentium 4 630	3.00 2MB	800MHz	512MB			80GB	Combo	SiS Mirage	661FX			XP Pro	1-yr	Feb 06
8253-D6U 4x4	Pentium 4 630	3.00 2MB	800MHz	512MB			160GB	DVD±RW	SiS Mirage	661FX			XP Pro	1-yr	Feb 06
8253-E1U 4x4	Pentium 4 640	3.20 2MB	800MHz	512MB			80GB	Combo	SiS Mirage	661FX			XP Pro	1-yr	Feb 06
8253-E2U 4x4	Pentium 4 640	3.20 2MB	800MHz	1GB			160GB	DVD±RW	SiS Mirage	661FX			XP Pro	1-yr	Feb 06

Positioning Processor	<i>The smart choice for small business</i> Intel® Pentium® 4 Processor 516, 521, 524, 541, 630, or 640 with single-core, EM64T, Hyper-Threading technology (521/524/6xx only), EIST (6xx only), Execute Disable Bit (521/524/6xx only), and 533 or 800MHz bus		Tower <ul style="list-style-type: none">Business black color with silver accents7.1" W X 17.5" D X 15.4" H180mm W X 445mm D X 392mm H20.01 to 20.3 lb (9.1 to 9.2 kg)Handle on top frontThumbscrew for removal of side coversToolless entry	
L2 cache Implementation	1MB or 2MB std and max / ECC / full speed Processor and L2 cache in FC-LGA4 in LGA775 socket			
Memory - std/max ⁸ Memory	256, 512MB or 1GB std / 2GB max Two 184-pin DIMM sockets / E2U/5CU: two sockets used (512MB each socket); others: one socket used / PC3200 400MHz DDR1 / non-parity / CAS latency 3 (CL3) / unbuffered / dual-channel capable		<ul style="list-style-type: none"> 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, std or opt diskette or media reader Bay ④ 3.5", 1" high, no access, std disk 	
Graphics	SiS® Mirage Graphic Engine (SiS Mirage) / integrated graphics in north bridge / uses main memory (32 to 64MB) / 200MHz / one 15-pin analog D-sub connector / AGP 8X slot available			
SATA disk	80 or 160GB / SATA300 7200 rpm		SECURITY <ul style="list-style-type: none"> One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> - Padlock loop (in rear for opt padlock) - No security slot (in rear for optional Kensington Microsaver cable) - No keylock Power-on password Administrator password Boot sequence control Boot without keyboard, mouse, diskette Unattended start mode Hard disk I/O control Serial port I/O control Parallel port I/O control 	
SATA controller	Serial ATA 1.0 / 150 MB/sec SATA150 / integrated in south bridge			
SATA cables	One SATA cable (one 1-drop to disk) / 2 SATA connectors on planar		LIMITED WARRANTY¹ <ul style="list-style-type: none"> 1-year parts and labor International Warranty Service⁹ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) Lenovo Care services at http://lenovo.com/warranty 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ 800-IBM-SERV (426-7378) 	
EIDE CD	Some: 48X-20X ⁴ CD-ROM			
EIDE Combo	Some: 48X/32X/48X/16X Max ¹¹ CD-RW/DVD-ROM Combo			
EIDE DVD±RW	Some: DVD and CD burner / double-layer / Multi-Burner Plus (73P3370)			
EIDE DVD±RW	Model F1U: DVD and CD burner / Super Multi-Burner DL Drive (part 41N5581)			
EIDE controller	Enhanced IDE / ATA-100 / integrated in I/O Controller Hub (ICH6)			
EIDE cables	One 2-drop EIDE cable to optical / two EIDE connectors on planar			
Diskette drive	Some: 3.5" 1.44MB diskette drive			
Media reader	Some: 9-in-1 media reader / occupies diskette drive bay / internal USB 2.0			
Chipset	SiS 661FX Chipset / SiS661FX graphics memory controller in north bridge with AGP 8X support / SiS964 south bridge for SATA 150, ATA-100/133 EIDE, PCI 2.3 bus, USB, Low Pin Count Interface / ITE Tech® 8705GX Super I/O for serial, parallel, diskette, keyboard, and mouse			
Front ports	Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)			
Rear audio ports	Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]			
Audio	Integrated digital audio / AC '97 interface / Realtek ALC655 codec			
External speakers	Some: desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo			
Beeper	One internal beeper			
Ethernet	10/100 ethernet on systemboard / Realtek 8100C controller (MAC/PHY) / PCI 2.3 / Wake on LAN® / PXE 2.0 and RPL remote boot			
Modem	Some: 56K ¹⁰ V.90 data/fax soft modem / Conexant® chipset / PCI adapter			
Keyboard	104-key Preferred Pro Full-size keyboard (6-pin PS/2 connector), black			
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black			
Power supply	250 watts / universal / manual switch			
Preload with Windows XP Home ¹²	Microsoft® Windows® XP Home Edition			
Preload with Windows XP Professional ¹²	Microsoft Windows XP Professional			
Preloaded ⁵ (all OSes; only some listed)	<ul style="list-style-type: none"> Lenovo CareSM tools <ul style="list-style-type: none"> - Rescue and RecoveryTM - System Update - Password Manager Norton Internet SecurityTM 2005 AntiSpyware Edition PC-DoctorTM (diagnostics) Google Desktop Picasa from Google Diskeeper[®] Lite 			
	<ul style="list-style-type: none"> All except 8253-F1U: Corel® Small Business CenterTM with WordPerfect® Office 12 Corel Photo Album StarterTM 6 AOL and EarthLink (XP Home models only) Some: Microsoft Office Small Business Edition 2003 with Office 2003 Service Pack 2 (SP2) Roxio DigitalMedia LE (CD-RW, combo, DVD±RW) InterVideo WinDVD (combo, DVD, DVD±RW) InterVideo WinDVD Creator (DVD±RW) 			
	CD - Some: Microsoft Office SBE (SP2) CD			
	License - CD not included (all OSes) - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client (Notes client not supported on XP Home)			

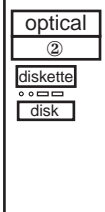
See footnotes for important warranty information
US models announced February 23, April 25, May 2, or July 25, 2006
US models withdrawn effective June 2007 or January 2008

Type-mod	Slot x bay	Intel Processor	L2 GHz cache	Dual core	Memory	Diskette drive	Media reader	SATA disk	EIDE optical	Integrated graphics	Chip-set	Fire-Wire	Mo-dems	Ext speakers	Pre-load	Limited warranty ¹	Avail date
8255-FAU	3x4	Pentium® D 820	2.80	2x1MB	Dual 512MB	Dskte		80GB ²	CD	GMA 950	945GZ				XP Pro	1-yr	July 06
8255-FBU	3x4	Pentium D 820	2.80	2x1MB	Dual 512MB			160GB	Combo	GMA 950	945GZ				XP Pro	1-yr	July 06
8255-FCU	3x4	Pentium D 820	2.80	2x1MB	Dual 1GB		9-in-1	160GB	DVD±RW	GMA 950	945GZ	1394	Mod	Spkrs	Home	1-yr	July 06

Positioning Processor	<i>The smart choice for small business</i> Intel® Pentium D Processor 820 with dual-core, EM64T, Execute Disable Bit, and 800MHz system bus with two x 1MB (dual-core) L2 cache										Tower		
Implementation	Processor and L2 cache in FC-LGA4 or LGA6 in LGA775 socket										<ul style="list-style-type: none"> • Business black color with silver accents • 7.1" W X 17.5" D X 15.4" H • 180mm W X 445mm D X 392mm H • 20.1 to 20.3 lb (9.1 to 9.2 kg) • Handle on top front • Thumbscrew for removal of side covers • Toolless entry 		
Memory - std/max ⁸	512MB or 1GB std / 2GB max										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, std or opt diskette or media reader Bay ④ 3.5", 1" high, no access, std disk		
Memory	Two 240-pin DIMM sockets / <i>FCU:</i> two sockets used (512MB in each socket); <i>others:</i> one socket used / one socket available PC2-4200 533MHz DDR2 / non-parity / CAS latency 4 (CL4) / unbuffered / dual-channel capable										Slot 1: half-length, full-height, 32-bit PCI 2.3 - used * Slot 2: half-length, full-height, 32-bit PCI 2.3 - used * Slot 3: half-length, full-height, 32-bit PCI 2.3 * Modem and FireWire adapter in some models		
Graphics	Intel Graphics Media Accelerator 950 (GMA 950) / integrated graphics in 945GZ GMCH / uses main memory / 400MHz / one 15-pin analog D-sub connector / 945GZ does not support dual independent display										SECURITY		
SATA disk	80 or 160GB / SATA300 7200 rpm										<ul style="list-style-type: none"> • One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> - Padlock loop (in rear for opt padlock) - No security slot (in rear for optional Kensington Microsaver cable) - No keylock • Power-on password • Administrator password • Boot sequence control • Boot without keyboard, mouse, diskette • Unattended start mode • Hard disk I/O control • Serial port I/O control • Parallel port I/O control 		
SATA controller	Serial ATA / 300MB/sec SATA300 / integrated in south bridge										<ul style="list-style-type: none"> • RoHS-compliant • DMI 2.0-compliant 		
SATA cables	One SATA cable (one 1-drop to disk) / two SATA connectors on planar										LIMITED WARRANTY¹		
EIDE CD	<i>Some:</i> 48X-20X ⁴ CD-ROM												
EIDE Combo	<i>Some:</i> 48X/48X/48X/16X Max ¹¹ CD-RW/DVD-ROM Combo										<ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ International Warranty Service⁹ ↪ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) • 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) ↪ Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> • 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) • 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) ↪ Lenovo Care services at http://lenovo.com/warranty ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ 800-IBM-SERV (426-7378) 		
EIDE DVD±RW	<i>Some:</i> DVD and CD burner / Super Multi-Burner DL Drive (part 41N5581)												
EIDE controller	Enhanced IDE / ATA-100 / integrated in I/O Controller Hub (ICH7)												
EIDE cables	One 2-drop EIDE cable to optical / one EIDE connectors on planar												
Diskette drive	<i>Some:</i> 3.5" 1.44MB diskette drive												
Media reader	<i>Some:</i> 9-in-1 media reader / occupies diskette drive bay / internal USB 2.0												
Chipset	Intel 945GZ Express Chipset / 82945GZ Graphics Memory Controller Hub (GMCH) / 82801GB I/O Controller Hub (ICH7) for SATA300, ATA-100 EIDE, PCI 2.3 bus, USB, Low Pin Count interface / ITE Tech® IT8712F/JX Super I/O for serial, parallel, diskette, keyboard, mouse, auto-thermal controls												
Front ports	Two USB (Version 2.0), microphone (mono, 3.5mm), headphone (stereo, 3.5mm)												
Rear ports	Four USB (Version 2.0), one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)												
Rear audio ports	Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]												
Audio	Integrated digital audio / AC '97 interface / Realtek ALC655 codec												
Beeper	One internal beeper												
External speakers	<i>Some:</i> desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo												
IEEE 1394	<i>Some:</i> FireWire PCI adapter / 1394A, 400Mbps, dual 6-pin ports on rear, 4-pin port on front of system, no external cables included												
Ethernet	10/100 ethernet on systemboard / Realtek 8100C controller (MAC/PHY) / PCI 2.3 / Wake on LAN® / PXE 2.0 and RPL remote boot												
Modem	<i>Some:</i> 56K ¹⁰ V.90 data/fax soft modem / PCI adapter												
Keyboard	104-key Preferred Pro Full-size keyboard (6-pin PS/2 connector), black												
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black												
Power supply	250 watts / universal / manual switch												
Preload with Windows XP Home¹²	<ul style="list-style-type: none"> • Microsoft® Windows® XP Home Edition - Disk-to-Disk Recovery (in hidden protected area) 										<ul style="list-style-type: none"> • Diskkeeper™ Lite • Corel® Small Business Center™ with WordPerfect® Office 12 • Corel Photo Album Starter™ 6 • AOL and EarthLink (XP Home models only) • Roxio DigitalMedia LE (combo, DVD±RW models) • InterVideo WinDVD (combo, DVD±RW models) • InterVideo WinDVD Creator (DVD±RW models) 		
Preload with Windows XP Professional¹²	<ul style="list-style-type: none"> • Microsoft Windows XP Professional - Disk-to-Disk Recovery (in hidden protected area) 										<ul style="list-style-type: none"> • License - CD not included (all) - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client (Notes client not supported on XP Home) 		
Preloaded⁵ (all)	<ul style="list-style-type: none"> • Lenovo CareSM tools <ul style="list-style-type: none"> - Rescue and Recovery™ - System Update - Password Manager • Norton Internet Security 2005 AntiSpyware Edition • PC-Doctor™ (diagnostics) • Adobe® Reader • Google Toolbar • Google Desktop • Picasa from Google 										Accessories Accessories on O-J sheet Other accessories at http://lenovo.com/accessories		

See footnotes for important warranty information
US models announced July 18, 2006
US models withdrawn effective June 2007

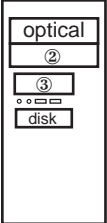
Type-mod	Slot x bay	AMD Processor	GHz	L2 cache	AMD64	Memory	Diskette drive	Media reader	SATA disk	EIDE optical	Integrated graphics	Mo-dem	Ext speakers	Pre-load	Limited warranty ¹	Avail date
8258-J4U	4x4	Sempron 3000+	1.80	128KB	AMD64	256MB	Dskte		80GB	CD	VIA S3	Yes	Spkrs	XP Home	1-yr	Feb 06
8258-J5U	4x4	Sempron 3000+	1.80	128KB	AMD64	512MB	Dskte		80GB	CD	VIA S3			XP Pro	1-yr	Feb 06
8258-J6U	4x4	Sempron 3000+	1.80	128KB	AMD64	512MB			80GB	Combo	VIA S3	Yes	Spkrs	XP Home	1-yr	Feb 06
8258-J9U	4x4	Sempron 3000+	1.80	128KB	AMD64	512MB		9-in-1	80GB	Combo	VIA S3	Yes	Spkrs	XP Home	1-yr	Apr 06
8258-B4U	4x4	Sempron 3400+	2.00	256KB	AMD64	1GB		9-in-1	160GB	DVD±RW	VIA S3	Yes	Spkrs	XP Home	1-yr	July 06
8258-H1U	4x4	Athlon 64 3200+	2.20	512KB	AMD64	256MB	Dskte		80GB	CD	VIA S3			XP Pro	1-yr	Feb 06
8258-H7U	4x4	Athlon 64 3200+	2.20	512KB	AMD64	256MB	Dskte		80GB	CD	VIA S3	Yes	Spkrs	XP Home	1-yr	Feb 06
8258-H8U	4x4	Athlon 64 3200+	2.20	512KB	AMD64	512MB			80GB	Combo	VIA S3			XP Pro	1-yr	Feb 06
8258-H9U	4x4	Athlon 64 3200+	2.20	512KB	AMD64	512MB			160GB	Combo	VIA S3			Pro/SBE	1-yr	Feb 06
8258-HAU	4x4	Athlon 64 3200+	2.20	512KB	AMD64	512MB			160GB	DVD±RW	VIA S3			XP Pro	1-yr	Feb 06
8258-HBU	4x4	Athlon 64 3200+	2.20	512KB	AMD64	1GB			250GB	DVD±RW	VIA S3			XP Pro	1-yr	Feb 06
8258-HHU	4x4	Athlon 64 3200+	2.20	512KB	AMD64	512MB		9-in-1	160GB	DVD±RW	VIA S3	Yes	Spkrs	XP Home	1-yr	Apr 06

Positioning Processor	<p><i>The smart choice for small business</i> AMD® Sempron™ 3000+ or 3400+ Processor with AMD64 (32-bit and 64-bit), integrated DDR1 memory controller, single-core, HyperTransport™ to north bridge or AMD Athlon™ 64 3200+ Processor with AMD64 (32-bit and 64 bit), integrated DDR1 memory controller, single-core, and HyperTransport to north bridge</p>		<p>Tower</p> <ul style="list-style-type: none"> • Business black color with silver accents • 7.1" W X 17.5" D X 15.4" H • 180mm W X 445mm D X 392mm H • 20.01 to 20.3 lb (9.1 to 9.2 kg) • Handle on top front • Thumbscrew for removal of side covers • Toolless entry 	
L2 cache Socket	<p>Sempron: 128KB or 256KB; Athlon 64: 512KB Socket 754 (754-pin)</p>			
Memory - std/max ² Memory	<p>256, 512MB or 1GB std / 2GB max Two 184-pin DIMM sockets / <i>HBU/B4U</i>: two sockets used (512MB per socket); <i>others</i>: one socket used / PC3200 400MHz DDR1 / non-parity / CAS latency 3 (CL3) / unbuffered / dual-channel capable</p>		<p>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, std or opt diskette or media reader Bay ④ 3.5", 1" high, no access, std disk</p>	
Graphics	<p>Integrated graphics in VIA K8M800 chipset / VIA® S3 Graphics UniChrome™ Pro IGP / uses main memory up to 64MB / 200MHz / one 15-pin analog D-sub connector / AGP 8X slot available</p>		<p>Slot 1: half-length, full-height, 32-bit AGP 8X Slot 2: half-length, full-height, 32-bit PCI 2.3 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>	
SATA disk	<p>80GB, 160GB or 250GB / SATA300 7200 rpm</p>		<p>SECURITY</p> <ul style="list-style-type: none"> • One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> - Padlock loop (in rear for opt padlock) - No security slot (in rear for optional Kensington Microsaver cable) - No keylock • Power-on password • Administrator password • Boot sequence control • Boot without keyboard, mouse, diskette • Unattended start mode • Hard disk I/O control • Serial port I/O control • Parallel port I/O control 	
SATA controller	<p>Serial ATA / 150MB/sec SATA150 / integrated in south bridge</p>			
SATA cables	<p>One SATA cable (one 1-drop to disk) / 2 SATA connectors on planar</p>			
EIDE CD	<p><i>Some</i>: 48X-20X⁴ CD-ROM</p>			
EIDE Combo	<p><i>Some</i>: 48X/32X/48X/16X Max¹¹ CD-RW/DVD-ROM Combo</p>			
EIDE DVD±RW	<p><i>Some</i>: DVD and CD burner / double-layer / Multi-Burner Plus (part 73P3370)</p>			
EIDE DVD±RW	<p><i>Model HHU/B4U</i>: DVD and CD burner / Super Multi-Burner DL Drive (41N5581)</p>			
EIDE controller	<p>Enhanced IDE / ATA-100 / integrated in I/O Controller Hub (ICH6)</p>			
EIDE cables	<p>One 2-drop EIDE cable to optical / two EIDE connectors on planar</p>			
Diskette drive	<p><i>Some</i>: 3.5" 1.44MB diskette drive</p>			
Media reader	<p><i>Some</i>: 9-in-1 media reader / occupies diskette drive bay / internal USB 2.0</p>			
Chipset	<p>VIA K8M800 chipset / K8M800 north bridge graphics and memory controller / VIA VT8237 south bridge I/O Controller for SATA150, ATA-133 EIDE, PCI 2.3 bus, USB 2.0 / ITE Tech® 8705GX Super I/O for serial, parallel, diskette, keyboard, and mouse</p>			
Front ports	<p>Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)</p>			
Rear ports	<p>Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)</p>			
Rear audio ports	<p>Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]</p>			
Audio	<p>Integrated digital audio / AC '97 interface / Realtek ALC655 codec</p>			
External speakers	<p><i>Some</i>: desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo</p>			
Beeper	<p>One internal beeper</p>			
Ethernet	<p>10/100 ethernet on systemboard / VIA VT6103L / PCI 2.3 / Wake on LAN® / PXE 2.0 and RPL remote boot</p>			
Modem	<p><i>Some</i>: 56K¹⁰ V.90 data/fax soft modem / Conexant® chipset / PCI adapter</p>			
Keyboard	<p>104-key Preferred Pro Full-size keyboard (6-pin PS/2 connector), black</p>			
Mouse	<p>Optical Wheel Mouse (USB only), 400 dpi, black</p>			
Power supply	<p>250 watts / universal / manual switch</p>			
<p>Preload with Windows XP Home¹² Microsoft® Windows® XP Home Edition - Disk-to-Disk Recovery (in hidden protected area)</p> <p>Preload with Windows XP Professional¹² Microsoft® Windows® XP Professional - Disk-to-Disk Recovery (in hidden protected area)</p> <p>Preloaded⁵ (all OSes)</p> <ul style="list-style-type: none"> • Lenovo CareSM tools <ul style="list-style-type: none"> - Rescue and Recovery™ - System Update - Password Manager • Norton Internet Security™ 2005 • AntiSpyware Edition • PC-Doctor™ (diagnostics) • Adobe® Reader • Google Toolbar • Google Desktop <p>Picasa from Google</p> <ul style="list-style-type: none"> • Diskkeeper® Lite • <i>All except 8258-J9U/HHU</i>: Corel® Small Business Center™ with WordPerfect® Office 12 • Corel Photo Album Starter™ 6 • AOL and EarthLink (XP Home models only) • <i>Some</i>: Microsoft Office Small Business Edition 2003 with Office 2003 Service Pack 2 (SP2) • Roxio Digital Media LE (CD-RW, combo, DVD±RW) • InterVideo WinDVD (combo, DVD, DVD±RW) • InterVideo WinDVD Creator (DVD±RW) <p>CD</p> <ul style="list-style-type: none"> - <i>Some</i>: Microsoft Office SBE (SP2) CD <p>License - CD not included (all OSes)</p> <ul style="list-style-type: none"> - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client (Notes client not supported on XP Home) 			<p>LIMITED WARRANTY¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ International Warranty Service⁹ ↪ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) • 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) ↪ Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> • 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) • 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) ↪ Lenovo Care services at http://lenovo.com/warranty ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ 800-IBM-SERV (426-7378) 	

See footnotes for important warranty information
 US models announced February 23, April 25, or July 25, 2006
 US models withdrawn effective June 2007 or January 2008

Type-mod	Slot x bay	Processor	GHz	L2 cache	Core	Memory	Media reader	SATA disk	EIDE optical	Graphics	Mo-dem	External speakers	Key-board	Preload	Avail date
7393-21U	4x4	Pentium D 820	2.80	2x1MB	Dual	512MB		80GB ²	CD	GMA			Pref	XP Pro	Nov 06
7393-22U	4x4	Pentium D 820	2.80	2x1MB	Dual	512MB	9-in-1	160GB	Combo	GMA			EP	XP Pro	Nov 06
7393-24U	4x4	Pentium D 820	2.80	2x1MB	Dual	512MB	9-in-1	160GB	Combo	GMA	Yes	Spkrs	Pref	XP Home	Nov 06
7393-26U	4x4	Pentium D 820	2.80	2x1MB	Dual	1GB		250GB	DVD±RW	GMA			Pref	XP Pro	Nov 06
7393-27U	4x4	Pentium D 820	2.80	2x1MB	Dual	1GB	9-in-1	250GB	DVD±RW	GMA	Yes	Spkrs	Pref	XP Home	Nov 06
7393-51U	4x4	Pentium D 925	3.00	2x2MB	Dual	1GB	9-in-1	250GB	DVD±RW	X300			EP	XP Pro	Nov 06
7393-55U	4x4	Pentium D 925	3.00	2x2MB	Dual	512MB		160GB	Combo	GMA			Pref	XP Pro	Nov 06
7393-56U	4x4	Pentium D 925	3.00	2x2MB	Dual	1GB	9-in-1	250GB	DVD±RW	GMA	Yes	Spkrs	Pref	XP Home	Nov 06
7393-3FU	4x4	Pentium D 925	3.00	2x2MB	Dual	512MB		80GB	DVD	GMA			Pref	XP Pro	May 07
7393-8HU	4x4	Core 2 Duo E4300	1.80	2MB	Dual	512MB		80GB	DVD	GMA			Pref	XP Pro	May 07
7393-01U	4x4	Pentium E2140	1.60	1MB	Dual	512MB		80GB	DVD	GMA			Pref	XP Pro	Aug 07
7393-02U	4x4	Pentium E2140	1.60	1MB	Dual	512MB		160GB	Combo	GMA			Pref	XP Pro	Aug 07

• These models have a 1-year limited warranty¹

Positioning Processor	<i>Excellent performance at competitive prices</i> Intel® Pentium® D Processor 820 or 925 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST (9xx only), 800MHz system bus, and 2x1MB or 2x2MB L2 cache or Intel Pentium Dual-Core Processor E2140 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E4300 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache	Tower <ul style="list-style-type: none"> • Business black color with silver accents • 7.1" W X 17.5" D X 15.4" H • 180mm W X 445mm D X 392mm H • 20.1 to 22.5 lb (9.1 to 10.2 kg) • Handle on top front • Thumbscrew for removal of side covers • Toolless entry 
Implementation	Processor and L2 cache in FC-LGA4 or LGA6 in LGA775 socket	
Memory	512MB or 1GB std , 4GB max ⁸ , PC2-4200 533MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available	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 diskette or std or opt media reader Bay ④ 3.5", 1" high, no access, std disk
Graphics (one of following)	<ul style="list-style-type: none"> • Intel Graphics Media Accelerator 3000 (GMA 3000), integrated graphics in 946GZ, uses main memory (up to 256MB), 400MHz, one 15-pin analog D-sub connector, supports optional ADD2 adapter but not dual independent display • ATI™ Radeon™ X300 SE, PCI Express x16 adapter, 128MB 400MHz DDR1, 400MHz RAMDAC, two 15-pin analog D-sub connectors, dual head support 	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 (5v) Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)* * modem in slot in some models
SATA disk	80GB, 160GB, or 250GB , SATA300 7200 rpm	SECURITY <ul style="list-style-type: none"> • One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> - Padlock loop (in rear for opt padlock) - No security slot (in rear for optional Kensington Microsaver cable) - No keylock • Power-on password • Administrator password • Boot sequence control • Boot without keyboard, mouse, diskette • Unattended start mode • Hard disk I/O control • Serial port I/O control • Parallel port I/O control
SATA controller	Serial ATA, 300MB/sec SATA300, integrated in ICH7	
SATA cables	One SATA cable (one 1-drop to disk), 2 SATA connectors on planar	
EIDE CD	<i>Some:</i> 48X-20X ⁴ CD-ROM	
EIDE DVD	<i>Some:</i> 16X-48X Max ⁴ DVD-ROM, single-layer	
EIDE Combo	<i>Some:</i> 48X/32X/48X/16X Max ¹¹ CD-RW/DVD-ROM Combo	
EIDE DVD±RW	<i>Some:</i> DVD and CD burner, Super Multi-Burner DL (41N5581)	
EIDE controller	Enhanced IDE, ATA-100, integrated in I/O Controller Hub (ICH7) One 2-drop EIDE	
EIDE cables	cable to optical, 2 EIDE connectors on planar	
Diskette drive	None	
Media reader	<i>Some:</i> 9-in-1 media reader, occupies diskette drive bay, internal USB 2.0	
Chipset	Intel 946GZ Express Chipset , 82946GZ Graphics Memory Controller Hub (GMCH), 82801GB I/O Controller Hub (ICH7) for SATA300, ATA-100 EIDE, PCI Express x1, PCI 2.3 bus, USB, Low Pin Count interface / ITE Tech® IT8718 Super I/O	
Front ports	Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)	
Rear audio ports	Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]	
Audio	High Definition (HD) Audio, AD1986A codec, SoundMAX® software	
External speakers	<i>Some:</i> desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo	
Beeper	One internal beeper	
Ethernet	Gigabit ethernet on systemboard, Broadcom® BCM5786 (PHY/MAC), PCIe x1	
Modem	<i>Some:</i> 56K ¹⁰ V.90 data/fax soft modem, PCI adapter	
Keyboard (one of following)	[Pref] 104-key Preferred Pro USB Keyboard, black	
Mouse	[EP] Enhanced Performance USB Keyboard, 2-port USB 2.0 hub, black	
Power supply	Optical Wheel Mouse (USB only), 400 dpi, black 250 watts, universal, manual switch	
Preload with Windows XP Home¹² Microsoft® Windows® XP Home Edition	<ul style="list-style-type: none"> • Google Desktop • Diskeeper® Lite • Core!® Small Business Center™ with WordPerfect® Office 12 • Core! Photo Album Starter™ 6 • AOL and EarthLink (XP Home models only) • Roxio Digital Media LE (combo, DVD±RW) • InterVideo WinDVD (DVD, combo, DVD±RW) • InterVideo WinDVD Creator (DVD±RW) 	
Preload with Windows XP Professional¹² Microsoft Windows XP Professional	<ul style="list-style-type: none"> • Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client (Notes client not supported on XP Home) 	
Preloaded⁵ (all OSes; some listed)		
<ul style="list-style-type: none"> • Lenovo CareSM tools <ul style="list-style-type: none"> - Rescue and Recovery™ - System Update - Password Manager • Norton Internet Security™ (90 days of virus definitions) • PC-Doctor™ (diagnostics) 		
		LIMITED WARRANTY¹ <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ International Warranty Service⁹ ↪ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) • 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) ↪ Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> • 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) • 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) ↪ Lenovo Care services at http://lenovo.com/warranty ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ 800-IBM-SERV (426-7378)

See footnotes for important warranty information
 US models announced October 24, 2006, or April 24 or August 14, 2007
 US models withdrawn effective August 2007 or January 2008

Type-mod	Slot x bay	Intel Processor	L2 GHz cache	Core	Memory	Media reader	SATA disk	EIDE optical	Mo- Graphics	External dem speakers	Vista preload	Vista logo	Avail date
7393-F1U	4x4	Pentium 4 631	3.00 2MB	Single	1GB		80GB	DVD	GMA		Business	Premium	Jan 07
7393-G1U	4x4	Pentium 4 641	3.20 2MB	Single	1GB		80GB	Combo	GMA		Business	Premium	Jan 07
7393-G2U	4x4	Pentium 4 641	3.20 2MB	Single	1GB		160GB	DVD±RW	GMA		Business	Premium	Jan 07
7393-GCU	4x4	Pentium D 915	2.80 2x2MB	Dual	1GB		80GB	Combo	GMA		Business	Premium	Jan 07
7393-GDU	4x4	Pentium D 915	2.80 2x2MB	Dual	1GB		160GB	DVD±RW	GMA		Business	Premium	Jan 07
7393-GEU	4x4	Pentium D 915	2.80 2x2MB	Dual	1GB	9-in-1	250GB	DVD±RW	GMA	Yes Spkrs	Home Basic	Basic	Jan 07
7393-5BU	4x4	Pentium D 925	3.00 2x2MB	Dual	1GB		80GB	Combo	GMA		Business	Basic	Jan 07
7393-5CU	4x4	Pentium D 925	3.00 2x2MB	Dual	512MB	9-in-1	160GB	Combo	GMA	Yes Spkrs	Home Basic	Basic	Jan 07
7393-5DU	4x4	Pentium D 925	3.00 2x2MB	Dual	1GB		160GB	DVD±RW	GMA		Business	Basic	Jan 07
7393-3GU	4x4	Pentium D 925	3.00 2x2MB	Dual	1GB	9-in-1	250GB	DVD±RW	GMA	Yes Spkrs	Home Premium	Premium	May 07
7393-6AU	4x4	Pentium D 945	3.40 2x2MB	Dual	1GB	9-in-1	250GB	DVD±RW	GMA	Yes Spkrs	Home Basic	Basic	Jan 07
7393-6EU	4x4	Pentium D 945	3.40 2x2MB	Dual	1GB		80GB	Combo	GMA		Business	Premium	Jan 07
7393-6HU	4x4	Pentium D 945	3.40 2x2MB	Dual	1GB	9-in-1	250GB	DVD±RW	GMA	Yes Spkrs	Home Premium	Premium	Jan 07
7393-8JU	4x4	Core 2 Duo E4300	1.80 2MB	Dual	1GB		80GB	Combo	GMA		Business	Premium	Jan 07
7393-8KU	4x4	Core 2 Duo E4300	1.80 2MB	Dual	1GB	9-in-1	250GB	DVD±RW	GMA	Yes Spkrs	Home Premium	Premium	Jan 07
7393-8NU	4x4	Core 2 Duo E4300	1.80 2MB	Dual	1GB		160GB	DVD±RW	GMA		Business	Basic	May 07

Positioning
Processor *Excellent performance at competitive prices*
Intel® Pentium® 4 Processor 631 or 641 with single-core, Intel 64 Technology, Hyper-Threading technology, Execute Disable Bit, 800MHz system bus, and 2MB L2 cache or **Intel Pentium D Processor 915, 925, or 945** with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2x2MB L2 cache or **Intel Core™ 2 Duo Processor E4300** with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache

Implementation Processor and L2 cache in FC-LGA6 in LGA775 socket

Memory - std/max **512MB or 1GB std / 4GB max**
Memory **PC2-4200 533MHz DDR2 / non-parity / CAS latency 4 / unbuffered / dual-channel capable / two 240-pin DIMM sockets /**
Some: standard memory (512MB or 1GB) in one socket;
Some: (italics) std memory in both sockets; no sockets available

Graphics **Intel Graphics Media Accelerator 3000 (GMA 3000) /** integrated graphics in 946GZ / uses main memory (up to 256MB) / 400MHz / one 15-pin analog D-sub connector / supports optional ADD2 adapter but not dual independent display

SATA disk **80GB, 160GB, or 250GB /** SATA300 7200 rpm
SATA controller Serial ATA / 300MB/sec SATA300 / integrated in ICH7
SATA cables One SATA cable (one 1-drop to disk) / 2 SATA connectors on planar
Some: 16X-48X Max⁴ DVD-ROM / single-layer / EIDE
EIDE DVD *Some:* 48X/32X/48X/16X Max¹¹ CD-RW/DVD-ROM Combo
EIDE Combo *Some:* DVD burner / Super Multi-Burner DL Drive (41N5581)
EIDE DVD±RW *Some:* DVD burner / Super Multi-Burner DL Drive (41N5581)
EIDE controller Enhanced IDE / ATA-100 / integrated in I/O Controller Hub (ICH7)
EIDE cables One 2-drop EIDE cable to optical / 2 EIDE connectors on planar
Diskette drive None
Media reader *Some:* 9-in-1 media reader / occupies diskette drive bay / internal USB 2.0

Chipset **Intel 946GZ Express Chipset /** 82946GZ Graphics Memory Controller Hub (GMCH) / 82801GB I/O Controller Hub (ICH7) for SATA300, ATA-100 EIDE, PCI Express x1, PCI 2.3 bus, USB, Low Pin Count interface / ITE Tech® IT8718 Super I/O

Front ports Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)
Rear ports Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)
Rear audio ports Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]
Audio High Definition (HD) Audio / AD1986A codec / SoundMAX® software
External speakers *Some:* desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo
Beeper One internal beeper
Ethernet Gigabit ethernet on systemboard / Broadcom® BCM5786 (PHY/MAC) / PCIe x1
Modem *Some:* 56K¹⁰ V.90 data/fax soft modem / PCI adapter

Keyboard 104-key Preferred Pro USB Keyboard, black
Mouse Optical Wheel Mouse (USB only), 400 dpi, black
Power supply 250 watts / universal / manual switch

Preloaded operating system¹²
- Some: Microsoft® Windows® Vista™ Home Basic Edition (32-bit)
- Some: Microsoft Windows Vista Home Premium Edition (32-bit)
- Some: Microsoft Windows Vista Business Edition (32-bit)

Preloaded applications⁵ (all OSes; only some listed)

- Lenovo CareSM Tools
 - Rescue and Recovery™
 - System Update
 - Password Manager
- Norton Internet Security™
- PC-Doctor™ (diagnostics)
- Diskeeper® Home
- Corel® Small Business Center™ with WordPerfect® Office 12
- QuickBooks Financial Center
- AOL and EarthLink (Vista Home Basic and Home Premium models only)

License - CD not included (all OSes)


- Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client

DVD (all OSes)

- Windows Anytime Upgrade DVD included for upgrade to different Vista versions for a fee

Tower

- Business black color with silver accents
- 7.1" W X 17.5" D X 15.4" H
- 180mm W X 445mm D X 392mm H
- 20.1 to 22.5 lb (9.1 to 10.2 kg)
- Handle on top front
- Thumbscrew for removal of side covers
- Toolless entry



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 diskette or std or opt media reader
 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 (5v)
 Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)*
 * modem in slot in some models

SECURITY

- One lock to secure both cover and entire system to fixed object:
 - Padlock loop (in rear for opt padlock)
 - No security slot (in rear for optional Kensington Microsaver cable)
 - No keylock
- Power-on password
- Administrator password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Unattended start mode
- Hard disk I/O control
- Serial port I/O control
- Parallel port I/O control

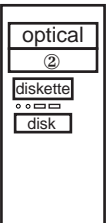
LIMITED WARRANTY¹

- ↪ 1-year parts and labor
- ↪ International Warranty Service⁹
- ↪ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time
- ↪ Onsite service upgrade options (in eligible locations):⁷
 - 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541)
 - 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542)
- ↪ Post-warranty maintenance services:⁶
 - 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543)
 - 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544)
- ↪ Lenovo Care services at <http://lenovo.com/warranty>
- ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ 800-IBM-SERV (426-7378)

See footnotes for important warranty information
 US models announced January 30 or April 24, 2007
 US models withdrawn effective August 2007 or January 2008

Type-mod	Slot x bay	AMD Processor	GHz	L2 cache	Core	Memory	Media reader	SATA disk	EIDE optical	Integrated graphics	Mo-dem	External speakers	Key-board	Preload	Avail date
7387-85U	4x4	Athlon 64 3500+	2.20	512KB	Single	512MB		80GB	DVD	NVIDIA			Pref	XP Pro	May 07
7387-86U	4x4	Athlon 64 3500+	2.20	512KB	Single	512MB		160GB	Combo	NVIDIA			Pref	XP Pro	May 07
7387-22U	4x4	Athlon 64 X2 3800+	2.00	2x512KB	Dual	512MB		160GB	Combo	NVIDIA			EP	XP Pro	Sep 06
7387-24U	4x4	Athlon 64 X2 3800+	2.00	2x512KB	Dual	512MB	9-in-1	160GB	Combo	NVIDIA	Yes	Spkrs	Pref	XP Home	Sep 06
7387-26U	4x4	Athlon 64 X2 3800+	2.00	2x512KB	Dual	1GB	9-in-1	250GB	DVD±RW	NVIDIA	Yes	Spkrs	Pref	XP Home	Sep 06
7387-27U	4x4	Athlon 64 X2 3800+	2.00	2x512KB	Dual	1GB		250GB	DVD±RW	NVIDIA			Pref	XP Pro	Sep 06
7387-3BU	4x4	Athlon 64 X2 4000+	2.10	2x512KB	Dual	512MB		80GB	DVD	NVIDIA			Pref	XP Pro	May 07
7387-41U	4x4	Athlon 64 X2 4200+	2.20	2x512KB	Dual	512MB		160GB	Combo	NVIDIA			Pref	XP Pro	Sep 06
7387-44U	4x4	Athlon 64 X2 4200+	2.20	2x512KB	Dual	1GB	9-in-1	250GB	DVD±RW	NVIDIA		Spkrs	Pref	XP Home	Sep 06
7387-4KU	4x4	Athlon 64 X2 4400+	2.30	2x512KB	Dual	512MB		80GB	DVD	NVIDIA			Pref	XP Pro	May 07

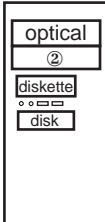
• These models have a 1-year limited warranty¹

Positioning Processor	Excellent performance at competitive prices AMD® Athlon™ 64 3500+ with single-core, integrated L1/L2 cache, AMD64, integrated DDR2 memory controller, and virtualization technology or AMD Athlon 64 X2 3800+, 4000+, 4200+, or 4400+ with dual-core, integrated L1/L2 cache, AMD64, integrated DDR2 controller, and virtualization technology	Tower • Business black color with silver accents • 7.1" W X 17.5" D X 15.4" H • 180mm W X 445mm D X 392mm H • 20.1 to 22.5 lb (9.1 to 10.2 kg) • Handle on top front • Thumbscrew for removal of side covers • Toolless entry	
Implementation	Processor in 940-pin PGA package in Socket AM2		
Memory - std/max ⁸	512MB or 1GB std / 4GB max PC2-4200 533MHz DDR2 / non-parity / CAS latency 4 / unbuffered / dual-channel capable / two 240-pin DIMM sockets / <i>512MB models:</i> one socket used; <i>1GB model 44U:</i> one socket used; <i>1GB models 26U/27U:</i> two sockets used (512MB per socket)	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, std or opt diskette or media reader Bay ④ 3.5", 1" high, no access, std disk	
Memory		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 (5v) Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)* * modem in slot in some models	
Graphics	NVIDIA® GF 6100 / integrated graphics controller in C51g chipset / uses main memory / 425MHz / one 15-pin analog D-sub connector / optional PCI Express x16 adapter can support two monitors		
SATA disk	80GB, 160GB, or 250GB / SATA300 7200 rpm		
SATA controller	Serial ATA / 300MB/sec SATA300 / integrated in south bridge		
SATA cables	One SATA cable (one 1-drop to disk) / 2 SATA connectors on planar		
EIDE DVD	<i>Some:</i> 16X-48X Max ⁴ DVD-ROM / single-layer / EIDE		
EIDE Combo	<i>Some:</i> 48X/32X/48X/16X Max ¹¹ CD-RW/DVD-ROM Combo		
EIDE DVD±RW	<i>Some:</i> DVD burner / Super Multi-Burner DL Drive (41N5581)		
EIDE controller	Enhanced IDE / ATA-133 / integrated in NVIDIA MCP51 south bridge		
EIDE cables	One 2-drop EIDE cable to optical / 2 EIDE connectors on planar		
Diskette drive	None		
Media reader	<i>Some:</i> 9-in-1 media reader / occupies diskette drive bay / internal USB 2.0		
Chipset	NVIDIA GeForce® 6100 C51g chipset / C51g includes graphics controller, support for PCI Express x1 slot, PCI Express x16 slot, PCI 2.3 slots / NVIDIA MCP51 south bridge for SATA300, ATA-133 EIDE, USB, Low Pin Count interface / Winbond® W83627EHG Super I/O		
Front ports	Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)		
Rear audio ports	Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]		
Audio	High Definition (HD) Audio / AD1986A codec / SoundMAX® software		
External speakers	<i>Some:</i> desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo		
Beeper	One internal beeper		
Ethernet	Gigabit ethernet on planar / Broadcom® BCM5788 / PCI 2.3 / Wake on LAN®		
Modem	<i>Some:</i> 56K ¹⁰ V.90 data/fax soft modem / PCI adapter		
Keyboard (one of following)	[Pref] 104-key Preferred Pro USB Keyboard, black [EP] Enhanced Performance USB Keyboard, 2-port USB 2.0 hub, black		
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black		
Power supply	250 watts / universal / manual switch		
Preload with Windows XP Home ¹²	Microsoft® Windows® XP Home Edition - Disk-to-Disk Recovery (in hidden protected area)	• Picasa from Google • Diskkeeper® Lite • Corel® Small Business Center™ with WordPerfect® Office 12 • Corel Photo Album Starter™ 6 • AOL and EarthLink (XP Home models only) • Roxio Digital Media LE (combo, DVD±RW) • InterVideo WinDVD (DVD, combo, DVD±RW) • InterVideo WinDVD Creator (DVD±RW)	
Preload with Windows XP Professional ¹²	Microsoft Windows XP Professional - Disk-to-Disk Recovery (in hidden protected area)	License - CD not included (all OSes) - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client (Notes client not supported on XP Home)	
Preloaded ⁵ (all OSes)	• Lenovo Care SM tools - Rescue and Recovery™ - System Update - Password Manager • Norton Internet Security™ (90 days of virus definitions) • PC-Doctor™ (diagnostics) • Adobe® Reader • Google Toolbar • Google Desktop	Accessories Accessories on O-J sheet Acc Guide in pdf lenovo.com/accessoriesguide Others at http://lenovo.com/accessories	
			SECURITY • One lock to secure both cover and entire system to fixed object: - Padlock loop (in rear for opt padlock) - No security slot (in rear for optional Kensington Microsaver cable) - No keylock • Power-on password • Administrator password • Boot sequence control • Boot without keyboard, mouse, diskette • Unattended start mode • Hard disk I/O control • Serial port I/O control • Parallel port I/O control
			LIMITED WARRANTY¹ ↪ 1-year parts and labor ↪ International Warranty Service ⁹ ↪ Customer Replaceable Unit (CRU) parts are available with onsite service ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time ↪ Onsite service upgrade options (in eligible locations): ⁷ • 2-year LOR 9x5, Next Business Day (Lenovo Care SM part number 41K0541) • 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) ↪ Post-warranty maintenance services: ⁶ • 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) • 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) ↪ Lenovo Care services at http://lenovo.com/warranty ↪ 24x7 ¹⁴ toll-free support for warranty issues during the warranty period ¹ 800-IBM-SERV (426-7378)

See footnotes for important warranty information
US models announced September 19, 2006 or April 24, 2007
US models withdrawn effective August 2007 or January 2008

Type-mod	Slot x bay	AMD Processor	GHz	L2 cache	Core	Memory	Media reader	SATA disk	EIDE optical	Integrated graphics	Mo-dem	External speakers	Vista preload	Vista logo	Avail date
7387-9FU	4x4	Sempron 3400+	1.80	256KB	Single	512MB	9-in-1	80GB	DVD	NVIDIA	Yes	Spkrs	Home Basic	Basic	Jan 07
7387-9GU	4x4	Sempron 3400+	1.80	256KB	Single	1GB		80GB	DVD	NVIDIA			Business	Premium	Jan 07
7387-9HU	4x4	Sempron 3400+	1.80	256KB	Single	512MB	9-in-1	80GB	Combo	NVIDIA	Yes	Spkrs	Home Basic	Basic	Jan 07
7387-2BU	4x4	Athlon 64 X2 3800+	2.00	2x512KB	Dual	512MB	9-in-1	160GB	Combo	NVIDIA	Yes	Spkrs	Home Basic	Basic	Jan 07
7387-2JU	4x4	Athlon 3800+	2.40	512KB	Single	1GB		80GB	Combo	NVIDIA			Business	Premium	Jan 07
7387-2KU	4x4	Athlon 3800+	2.40	512KB	Single	1GB		160GB	DVD±RW	NVIDIA			Business	Premium	Jan 07
7387-2MU	4x4	Athlon 3800+	2.40	512KB	Single	1GB		160GB	DVD±RW	NVIDIA			Business	Premium	Jan 07
7387-48U	4x4	Athlon 64 X2 4200+	2.20	2x512KB	Dual	1GB		80GB	Combo	NVIDIA			Business	Basic	Jan 07
7387-49U	4x4	Athlon 64 X2 4200+	2.20	2x512KB	Dual	1GB		160GB	DVD±RW	NVIDIA			Business	Basic	Jan 07
7387-4AU	4x4	Athlon 64 X2 4200+	2.20	2x512KB	Dual	1GB	9-in-1	250GB	DVD±RW	NVIDIA	Yes	Spkrs	Home Basic	Basic	Jan 07

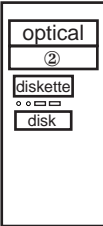
• These models have a 1-year limited warranty¹

Positioning Processor	Excellent performance at competitive prices AMD® Sempron™ 3400+ with single-core, integrated L1/L2 cache, AMD64, and integrated DDR2 memory controller or AMD Athlon™ 64 3800+ with single-core, integrated L1/L2 cache, AMD64, integrated DDR2 memory controller, and virtualization technology or AMD Athlon 64 X2 3800+ or 4200+ with dual-core, integrated L1/L2 cache, AMD64, integrated DDR2 controller, and virtualization technology	Tower • Business black color with silver accents • 7.1" W X 17.5" D X 15.4" H • 180mm W X 445mm D X 392mm H • 20.1 to 22.5 lb (9.1 to 10.2 kg) • Handle on top front • Thumbscrew for removal of side covers • Toolless entry		
Implementation	Processor in 940-pin PGA package in Socket AM2			
Memory - std/max ⁸	512MB or 1GB std / 4GB max	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, std or opt diskette or media reader Bay ④ 3.5", 1" high, no access, std disk		
Memory	PC2-4200 533MHz DDR2 / non-parity / CAS latency 4 / unbuffered / dual-channel capable / two 240-pin DIMM sockets / <i>512MB models:</i> one socket used; <i>models 48U/49U/4AU:</i> one socket used (1GB per socket); <i>models 9GU/2JU/2KU/2MU:</i> two sockets used (512MB per socket)	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 (5v) Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)*		
Graphics	NVIDIA® GF 6100 / integrated graphics controller in C51g chipset / uses main memory / 425MHz / one 15-pin analog D-sub connector / optional PCI Express x16 adapter can support two monitors			
SATA disk	80GB, 160GB, or 250GB / SATA300 7200 rpm			
SATA controller	Serial ATA / 300MB/sec SATA300 / integrated in south bridge			
SATA cables	One SATA cable (one 1-drop to disk) / 2 SATA connectors on planar			
EIDE DVD	<i>Some:</i> 16X-48X Max ⁴ DVD-ROM / single-layer / EIDE			
EIDE Combo	<i>Some:</i> 48X/32X/48X/16X Max ¹¹ CD-RW/DVD-ROM Combo			
EIDE DVD±RW	<i>Some:</i> DVD burner / Super Multi-Burner DL Drive (41N5581)			
EIDE controller	Enhanced IDE / ATA-133 / integrated in NVIDIA MCP51 south bridge			
EIDE cables	One 2-drop EIDE cable to optical / 2 EIDE connectors on planar			
Diskette drive	None			
Media reader	<i>Some:</i> 9-in-1 media reader / occupies diskette drive bay / internal USB 2.0			
Chipset	NVIDIA GeForce® 6100 C51g chipset / C51g includes graphics controller, support for PCI Express x1 slot, PCI Express x16 slot, PCI 2.3 slots / NVIDIA MCP51 south bridge for SATA300, ATA-133 EIDE, USB, Low Pin Count interface / Winbond® W83627EHG Super I/O			
Front ports	Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)			
Rear audio ports	Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]			
Audio	High Definition (HD) Audio / AD1986A codec / SoundMAX® software			
External speakers	<i>Some:</i> desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo			
Beeper	One internal beeper			
Ethernet	Gigabit ethernet on planar / Broadcom® BCM5788 / PCI 2.3 / Wake on LAN®			
Modem	<i>Some:</i> 56K ¹⁰ V.90 data/fax soft modem / PCI adapter			
Keyboard	104-key Preferred Pro USB Keyboard, black			
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black			
Power supply	250 watts / universal / manual switch			
Preloaded operating system	<ul style="list-style-type: none"> - <i>Some:</i> Microsoft® Windows® Vista™ Home Basic Edition²⁰ (32-bit) - <i>Some:</i> Microsoft Windows Vista Business Edition²⁰ (32-bit) 			
Preloaded applications (all OSEs)	<ul style="list-style-type: none"> • Lenovo CareSM Tools <ul style="list-style-type: none"> - Rescue and Recovery™ - System Update - Password Manager • Norton Internet Security™ (90 days of virus definitions) • PC-Doctor™ (diagnostics) • Adobe® Reader • Picasa from Google • Diskeeper® Home 	<ul style="list-style-type: none"> • Corel® Small Business Center™ with WordPerfect® Office 12 • QuickBooks Financial Center • AOL and EarthLink (Vista Home Basic models only) 		
	License - CD not included (all OSEs) - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client Accessories Accessories on O-J sheet Acc Guide in pdf lenovo.com/accessoriesguide Others at http://lenovo.com/accessories			
		SECURITY <ul style="list-style-type: none"> • One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> - Padlock loop (in rear for opt padlock) - No security slot (in rear for optional Kensington Microsaver cable) - No keylock • Power-on password • Administrator password • Boot sequence control • Boot without keyboard, mouse, diskette • Unattended start mode • Hard disk I/O control • Serial port I/O control • Parallel port I/O control 		
		LIMITED WARRANTY¹ <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ International Warranty Service⁹ ↪ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) • 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) ↪ Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> • 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) • 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) ↪ Lenovo Care services at http://lenovo.com/warranty ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ 800-IBM-SERV (426-7378) 		

See footnotes for important warranty information
 US models announced January 30, 2007
 US models withdrawn effective August 2007 or January 2008

Type-mod	Slot x bay	AMD Processor	GHz	L2 cache	Core Memory	Media reader	SATA disk	EIDE optical	Integrated graphics	Mo-dem	External speakers	Vista preload	Vista logo	Avail date
7387-4MU	4x4	Athlon 64 X2 4400+	2.30	2x512KB	Dual 1GB	9-in-1	250GB	DVD±RW	NVIDIA	Yes	Spkrs	Home Prem	Premium	May 07
7387-3CU	4x4	Athlon 64 X2 4000+	2.10	2x512KB	Dual 1GB		80GB	Combo	NVIDIA			Business	Basic	May 07
7387-3DU	4x4	Athlon 64 X2 4000+	2.10	2x512KB	Dual 1GB		160GB	DVD±RW	NVIDIA			Business	Basic	May 07
7387-3EU	4x4	Athlon 64 X2 4000+	2.10	2x512KB	Dual 1GB	9-in-1	250GB	DVD±RW	NVIDIA	Yes	Spkrs	Home Prem	Basic	May 07
7387-59U	4x4	Athlon 64 X2 4400+	2.30	2x512KB	Dual 1GB		160GB	Combo	NVIDIA			Business	Basic	May 07
7387-5AU	4x4	Athlon 64 X2 4400+	2.30	2x512KB	Dual 1GB		250GB	DVD±RW	NVIDIA			Business	Basic	May 07
7387-63U	4x4	Athlon 64 X2 4800+	2.50	2x512KB	Dual 1GB		80GB	Combo	NVIDIA			Business	Basic	May 07
7387-64U	4x4	Athlon 64 X2 4800+	2.50	2x512KB	Dual 1GB		160GB	DVD±RW	NVIDIA			Business	Basic	May 07
7387-65U	4x4	Athlon 64 X2 4800+	2.50	2x512KB	Dual 1GB	9-in-1	250GB	DVD±RW	NVIDIA	Yes	Spkrs	Home Prem	Premium	May 07

• These models have a 1-year limited warranty¹

Positioning Processor	Excellent performance at competitive prices AMD® Athlon™ 64 X2 4000+, 4400+, or 4800+ with dual-core, shared L2 cache, AMD64, integrated DDR2 controller, and virtualization technology		Tower <ul style="list-style-type: none"> Business black color with silver accents 7.1" W X 17.5" D X 15.4" H 180mm W X 445mm D X 392mm H 20.1 to 22.5 lb (9.1 to 10.2 kg) Handle on top front Thumbscrew for removal of side covers Toolless entry 	
Implementation	Processor in 940-pin PGA package in Socket AM2			
Memory - std/max ⁸	1GB std / 4GB max		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, std or opt diskette or media reader 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 (5v) Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)* * modem in slot in some models	
Memory	PC2-4200 533MHz DDR2 / non-parity / CAS latency 4 / unbuffered / dual-channel capable / two 240-pin DIMM sockets / some: one socket used (1GB per socket); models 4MU/65U: two sockets used (512MB per socket)			
Graphics	NVIDIA® GF 6100 / integrated graphics controller in C51g chipset / uses main memory / 425MHz / one 15-pin analog D-sub connector / optional PCI Express x16 adapter can support two monitors			
SATA disk	80GB, 160GB, or 250GB / SATA300 7200 rpm			
SATA controller	Serial ATA / 300MB/sec SATA300 / integrated in south bridge			
SATA cables	One SATA cable (one 1-drop to disk) / 2 SATA connectors on planar			
EIDE Combo	Some: 48X/32X/48X/16X Max ¹¹ CD-RW/DVD-ROM Combo			
EIDE DVD±RW	Some: DVD burner / Super Multi-Burner DL Drive (41N5581)			
EIDE controller	Enhanced IDE / ATA-133 / integrated in NVIDIA MCP51 south bridge			
EIDE cables	One 2-drop EIDE cable to optical / 2 EIDE connectors on planar			
Diskette drive	None			
Media reader	Some: 9-in-1 media reader / occupies diskette drive bay / internal USB 2.0			
Chipset	NVIDIA GeForce® 6100 C51g chipset / C51g includes graphics controller, support for PCI Express x1 slot, PCI Express x16 slot, PCI 2.3 slots / NVIDIA MCP51 south bridge for SATA300, ATA-133 EIDE, USB, Low Pin Count interface / Winbond® W83627EHG Super I/O		SECURITY <ul style="list-style-type: none"> One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> Padlock loop (in rear for opt padlock) No security slot (in rear for optional Kensington Microsaver cable) No keylock Power-on password Administrator password Boot sequence control Boot without keyboard, mouse, diskette Unattended start mode Hard disk I/O control Serial port I/O control Parallel port I/O control LIMITED WARRANTY¹ <ul style="list-style-type: none"> 1-year parts and labor International Warranty Service⁹ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) Lenovo Care services at http://lenovo.com/warranty 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ 800-IBM-SERV (426-7378) 	
Front ports	Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)			
Rear audio ports	Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]			
Audio	High Definition (HD) Audio / AD1986A codec / SoundMAX® software			
External speakers	Some: desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo			
Beeper	One internal beeper			
Ethernet	Gigabit ethernet on planar / Broadcom® BCM5788 / PCI 2.3 / Wake on LAN®			
Modem	Some: 56K ¹⁰ V.90 data/fax soft modem / PCI adapter			
Keyboard	104-key Preferred Pro USB Keyboard, black			
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black			
Power supply	250 watts / universal / manual switch			
Preloaded operating system ²⁰	<ul style="list-style-type: none"> Corel® Small Business Center™ with WordPerfect® Office 12 QuickBooks Financial Center AOL and EarthLink (Home Premium models only) 			
- Some: Microsoft® Windows® Vista™ Home Premium Edition (32-bit)				
- Some: Microsoft Windows Vista Business Edition (32-bit)				
Preloaded applications ⁵ (all OSeS)	License - CD not included (all OSeS) - Lotus® Notes® Stand-alone Client DVD (all) - Windows Anytime Upgrade DVD included for upgrade to different Vista versions for a fee Accessories Accessories on O-J sheet Acc Guide in pdf lenovo.com/accessoriesguide Others at http://lenovo.com/accessories			
• Lenovo Care SM Tools				
- Rescue and Recovery™				
- System Update				
- Password Manager				
• Lenovo Multimedia Center				
• Norton Internet Security™ (90 days of virus definitions)				
• PC-Doctor™ (diagnostics)				
• Network Magic™				
• Adobe® Reader				
• Picasa from Google				
• Diskeeper® Home				

See footnotes for important warranty information
 US models announced April 24, 2007
 US models withdrawn effective January 2008

Partial list of accessories supported on

- Lenovo 3000 J100
- Lenovo 3000 J105
- Lenovo 3000 J110
- Lenovo 3000 J115

Memory

SiS or VIA chipset types 8253, 8258 only:

512MB PC3200 CL3 NP DDR1 UDIMM	73P2686
1GB PC3200 CL3 NP DDR1 UDIMM	22P9272

Intel or NVIDIA chipset types 8255, 7387, 7393 only:

512MB PC2-5300 CL5 NP DDR2 UDIMM	73P4983	<i>ann 06/28/05</i>
1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984	<i>ann 06/28/05</i>

Optical

16X Max ⁴ DVD-ROM (black)	22P6950	
48X/32X/48X/16X Max ¹¹ CD-RW/DVD-ROM Combo drive (black)	73P3300	<i>ann 04/06/04</i>
Super Multi-Burner DL DVD±RW EIDE Drive	41N5581	<i>ann 05/30/06</i>

Storage and removable storage

40GB Serial ATA150 Disk (7200 rpm)	22P7185	
80GB Serial ATA300 Disk (7200 rpm)	09N4253	<i>ann 05/19/03</i>
160GB Serial ATA300 Disk (7200 rpm)	09N4254	<i>ann 05/19/03</i>
250GB Serial ATA300 Disk (7200 rpm)	41N3015	<i>ann 01/24/06</i>
500GB Serial ATA300 Disk (7200 rpm)	43R1990	<i>ann 11/06/07</i>
USB Portable Diskette Drive	05K9276	<i>ann 06/05/00</i>
USB 2.0 Essential Memory Key 1GB	41U4940	<i>ann 01/23/07</i>
USB 2.0 Essential Memory Key 2GB	41U4944	<i>ann 01/23/07</i>
USB 2.0 Security Memory Key 1GB	41U5118	<i>ann 07/17/07</i>
USB 2.0 Security Memory Key 2GB	41U5119	<i>ann 07/17/07</i>
USB 2.0 Security Memory Key 4GB	41U5120	<i>ann 07/17/07</i>
USB 2.0 CD-RW/DVD-ROM Combo II Drive	40Y8637	<i>ann 01/05/06</i>
USB 2.0 Portable 80GB Hard Disk	41N8378	<i>ann 04/17/07</i>
USB 2.0 Portable 120GB Hard Disk	41N8379	<i>ann 04/17/07</i>
USB 2.0 Super Multi-Burner Drive	41N5565	<i>ann 01/23/07</i>

Graphics

J110 and J115 Tower models support up to 75 watt max:

None

Keyboard

Preferred Pro USB Keyboard	73P5220	<i>ann 06/21/05</i>
Preferred Pro Full Size PS/2 Keyboard	31P7415	<i>ann 06/04/02</i>
Enh Perf Wireless Keyboard and Mouse	73P4067	<i>ann 12/06/04</i>

Mouse

USB Optical Wheel Mouse	06P4069	<i>ann 05/21/03</i>
Optical 3-Button ScrollPoint® Mouse	31P7405	<i>ann 08/27/02</i>
Lenovo Laser Mouse (USB, PS/2)	41U3074	<i>ann 01/23/07</i>

Multimedia

USB 2.0 Lenovo Multimedia Headset	40Y8518	<i>ann 06/27/06</i>
USB 2.0 Lenovo Webcam	40Y8519	<i>ann 08/29/06</i>

Power and Cables

Belkin 7-Outlet Surge Protector	31P7657
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Data/Video Projectors

Lenovo M500 Projector	0037A05	<i>ann 02/28/06</i>
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Security

USB GemPlus GemPC Smart Card Reader	41N3040	<i>ann 02/21/06</i>
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Monitors

Lenovo E75 17" CRT Monitor (16.0" vis)	6307BTN	<i>ann 01/16/07</i>
ThinkVision® L151 15" LCD Monitor	9165AC6	<i>ann 10/23/07</i>
ThinkVision L171 17" LCD Monitor	9227AD1	<i>ann 10/23/07</i>
ThinkVision L171p 17" LCD Monitor	9417HC2	<i>ann 10/31/06</i>
ThinkVision L190x 19" LCD Monitor	4439HB2	<i>ann 10/23/07</i>
ThinkVision L193p 19" LCD Monitor	4431HB2	<i>ann 10/23/07</i>
ThinkVision L194 Wide 19" LCD Monitor	4434HB6	<i>ann 10/23/07</i>
ThinkVision L220x Wide 22" LCD Monitor	4433HB2	<i>ann 10/23/07</i>

Monitor Accessories⁴⁶

ThinkVision USB Soundbar	40Y7616	<i>ann 08/23/05</i>
Kensington® Cable Lock from Lenovo	73P2582	<i>ann 12/29/03</i>
Radial Arm	19K4464	<i>ann 05/05/00</i>

⁴⁶ Compatible on selected Lenovo and ThinkVision monitors.

Other accessories at <http://lenovo.com/accessories>

Accessories Guide at pdf lenovo.com/accessoriesguide

Need to buy accessories no longer marketed by Lenovo? See www.itxchange.com/lenovo for the Options Continuation Program.

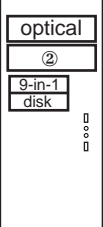
Lenovo CareSM maintenance services

Onsite service upgrade options (in eligible locations): ⁷	
2-year Lenovo Onsite Repair 9x5, Next Business Day	41K0541
3-year Lenovo Onsite Repair 9x5, Next Business Day	41K0542

Post-warranty maintenance services: ⁶	
1-year Lenovo Onsite Repair 9x5, Next Business Day	41K0543
2-year Lenovo Onsite Repair 9x5, Next Business Day	41K0544

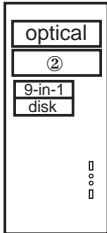
Lenovo Care maintenance services at <http://lenovo.com/warranty>

Type-mod	Slot x bay	Intel Processor	GHz	L2 cache	Core	Memory ⁹	Media reader	SATA disk	SATA optical	Graphics	Modem	External speakers	Preload	Avail date
9690-03U	4x4	Celeron 420	1.60	512KB	Single	512MB	None	80GB ²	DVD	GMA	None	None	XP Pro	Oct 07
9690-5GU	4x4	Pentium E2140	1.60	1MB	Dual	512MB	None	80GB	DVD	GMA	None	None	XP Pro	July 07
9690-01U	4x4	Pentium E2140	1.60	1MB	Dual	1GB	None	80GB	Combo	GMA	None	None	XP Pro	Oct 07
9690-02U	4x4	Pentium E2140	1.60	1MB	Dual	1GB	None	160GB	DVD±RW	GMA	None	None	XP Pro	Oct 07
9690-6EU	4x4	Pentium E2160	1.80	1MB	Dual	512MB	None	80GB	DVD	GMA	None	None	XP Pro	July 07
9690-7NU	4x4	Core 2 Duo E4400	2.00	2MB	Dual	512MB	None	80GB	DVD	GMA	None	None	XP Pro	July 07
9690-27U	4x4	Core 2 Duo E4500	2.20	2MB	Dual	512MB	None	80GB	DVD	GMA	None	None	XP Pro	Nov 07
9690-28U	4x4	Core 2 Duo E4500	2.20	2MB	Dual	1GB	None	80GB	Combo	GMA	None	None	XP Pro	Nov 07
9690-29U	4x4	Core 2 Duo E4500	2.20	2MB	Dual	1GB	None	160GB	DVD±RW	GMA	None	None	XP Pro	Nov 07

Positioning Processor	<p><i>Excellent performance at competitive prices</i></p> <p>Intel® Celeron® Processor 420 with single-core, Intel 64 Technology, Execute Disable Bit, 800MHz bus, and 512KB L2 cache or</p> <p>Intel Pentium® Dual-Core Processor E2140 or E2160 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or</p> <p>Intel Core™ 2 Duo Processor E4400 or E4500 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache Processor and L2 cache in FC-LGA6 in LGA775 socket</p>		<p>Tower</p> <ul style="list-style-type: none"> • Business black and silver bezel • 6.9"W X 16.7" D X 16.14"H • 175mm W X 424mm D X 410mm H • 22.0 lb (10.0 kg) • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 	
Implementation	Processor and L2 cache in FC-LGA6 in LGA775 socket			
Memory	<p>512MB or 1GB std / 2GB max⁸ / PC2-4200 533MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available</p>		<p>Bay ① 5.25", 1.6" high, access, standard optical</p> <p>Bay ② 5.25", 1.6" high, access, open</p> <p>Bay ③ 3.5", 1" high, access, opt 9-in-1/diskette</p> <p>Bay ④ 3.5", 1" high, no access, standard disk</p>	
Graphics	<p>Intel Graphics Media Accelerator 950 (GMA 950), integrated graphics in 945GC, uses main memory (up to 256MB), one 15-pin analog D-sub connector, supports optional ADD2 adapter but not dual independent display</p>		<p>Slot 1: half-length, full-height, PCI Express x16 (75w max)</p> <p>Slot 2: half-length, full-height, PCI Express x1</p> <p>Slot 3: half-length, full-height, 32-bit PCI 2.3 (5v)</p> <p>Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)</p>	
SATA disk	<p>80GB or 160GB, SATA300, 7200 rpm</p>			
SATA controller	<p>Serial ATA, 300MB/sec SATA300, integrated in ICH7, four SATA connectors</p>			
SATA DVD	<p><i>Some:</i> DVD-ROM DL SATA150 16-48X Max⁴ Drive (41N5618)</p>			
SATA Combo	<p><i>Some:</i> CD-RW/DVD-ROM Combo SATA150 Drive (41N5619)</p>			
SATA DVD±RW	<p><i>Some:</i> Super Multi-Burner DL DVD±RW SATA150 Drive (41N5620)</p>			
EIDE controller	<p>Enhanced IDE, ATA-100, integrated in ICH7, 1 EIDE connector on planar</p>			
Diskette drive	None			
Media reader	None			
Chipset	<p>Intel 945GC Express Chipset; I/O Controller Hub 7 (ICH7) for SATA300, ATA-100 EIDE, PCI Express x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O</p>			
Front ports	Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	<p>Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (15-pin)</p> <p>Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]</p> <p>High Definition (HD) audio, AD1988A codec</p>			
Rear audio ports	Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]			
Audio	High Definition (HD) audio, AD1988A codec			
External speakers	None			
Internal speaker	Internal mono speaker			
Ethernet	10/100 ethernet, Realtek® RTL8101E, PCIe x1			
Modem	None			
Keyboard	104-key Preferred Pro USB Keyboard, black			
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black			
Power supply	280 watts, universal, manual switch			
<p>Preload with Windows XP Professional¹²</p> <p>Microsoft® Windows® XP Professional</p> <p>Preloaded⁵</p> <ul style="list-style-type: none"> • Lenovo CareSM Tools <ul style="list-style-type: none"> – Rescue and RecoveryTM – System Update – Password Manager • Norton Internet SecurityTM (90 days of virus definitions) • PC-DoctorTM (diagnostics) • Adobe® Reader • Windows LiveTM Toolbar • Windows Live Search • Picasa from Google 			<ul style="list-style-type: none"> • Diskeeper® Home • Corel® Small Business CenterTM with WordPerfect® Office 12 • Corel Photo Album StarterTM 6 • Microsoft Office 2007 Trial • InterVideo WinDVD (combo, DVD, DVD±RW) 	
			<p>Security</p> <ul style="list-style-type: none"> • One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> - Padlock loop (in rear for opt padlock) - Security slot (in rear for optional Kensington® Microsaver® cable) • Administrator password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control 	
			<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ International Warranty Service⁹ ↪ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) • 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) ↪ Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> • 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) • 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) ↪ Lenovo Care services at http://lenovo.com/warranty ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	

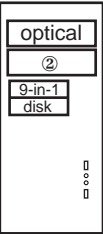
See footnotes for important warranty information
 US models announced July 3, September 25, October 9, or November 6, 2007
 US models withdrawn effective March 2008

Type-mod	Slot x bay	Intel Processor	L2 cache	Core	Memory	Media reader	SATA disk	SATA optical	Mo- Graphics	External dem speakers	Vista preload	Vista logo	Avail date
9690-84U	4x4	Celeron 420	1.60 512KB	Single	512MB		80GB	DVD	GMA		Home Basic	Basic	July 07
9690-85U	4x4	Celeron 420	1.60 512KB	Single	512MB	9-in-1	80GB	Combo	GMA	Mod Spkrs	Home Basic	Basic	July 07
9690-58U	4x4	Pentium E2140	1.60 1MB	Dual	1GB		80GB	Combo	GMA		Business 32	Basic	July 07
9690-59U	4x4	Pentium E2140	1.60 1MB	Dual	1GB		160GB	DVD±RW	GMA		Business 32	Basic	July 07
9690-5AU	4x4	Pentium E2140	1.60 1MB	Dual	1GB	9-in-1	320GB	DVD±RW	GMA	Mod Spkrs	Home Premium	Premium	July 07
9690-63U	4x4	Pentium E2160	1.80 1MB	Dual	1GB		160GB	Combo	GMA		Business 32	Basic	July 07
9690-62U	4x4	Pentium E2160	1.80 1MB	Dual	1GB	9-in-1	320GB	DVD±RW	GMA	Mod Spkrs	Home Premium	Premium	July 07
9690-23U	4x4	Core 2 Duo E4300	1.80 2MB	Dual	1GB	9-in-1	160GB	Combo	NVIDIA		Business 32	Premium	July 07
9690-7JU	4x4	Core 2 Duo E4400	2.00 2MB	Dual	1GB		80GB	Combo	GMA		Business 32	Basic	July 07
9690-7RU	4x4	Core 2 Duo E4400	2.00 2MB	Dual	1GB		160GB	DVD±RW	GMA		Business 32	Basic	Nov 07
9690-7MU	4x4	Core 2 Duo E4400	2.00 2MB	Dual	1GB	9-in-1	320GB	DVD±RW	GMA	Mod Spkrs	Home Premium	Premium	July 07

Positioning Processor	<i>Excellent performance at competitive prices</i> Intel® Celeron® Processor 420 with single-core, Intel 64 Tech, Execute Disable Bit, 800MHz bus, and 512KB L2 cache or Intel Pentium® Dual-Core Processor E2140 or E2160 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E4300 or E4400 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache	Tower <ul style="list-style-type: none"> Business black and silver bezel 6.9"W X 16.7" D X 16.14"H 175mm W X 424mm D X 410mm H 22.0 lb (10.0 kg) Handle on top front Toolless cover removal Toolless disk, diskette drive, optical drive removal Toolless adapter retention 
Implementation	Processor and L2 cache in FC-LGA6 in LGA775 socket	
Memory	512MB or 1GB std / 2GB max ⁸ / PC2-4200 533MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available	<ul style="list-style-type: none"> Bay ① 5.25", 1.6" high, access, standard optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, std or opt 9-in-1/dstte Bay ④ 3.5", 1" high, no access, standard disk
Graphics (one of following)	<ul style="list-style-type: none"> Intel Graphics Media Accelerator 950 (GMA 950), integrated graphics in 945GC, uses main memory (up to 256MB), one 15-pin analog D-sub connector, supports optional ADD2 adapter but not dual independent display NVIDIA® GeForce 7300LE, PCI Express x16 adapter, 128MB DDR2 memory, one DMS-59 connector for dongle with 15-pin analog D-sub and DVI-I connector, S-Video out for TV-out, dual head support 	<ul style="list-style-type: none"> 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 (5v) Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)* <p>* modem in slot in some models</p>
SATA disk	80GB , 160GB , or 320GB , SATA300, 7200 rpm	Security <ul style="list-style-type: none"> One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> Padlock loop (in rear for opt padlock) Security slot (in rear for optional Kensington® Microsave® cable) Administrator password Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control Parallel port I/O control
SATA controller	Serial ATA, 300MB/sec SATA300, integrated in ICH7, four SATA connectors	
SATA DVD	<i>Some:</i> DVD-ROM DL SATA150 16-48X Max4 Drive (41N5618)	
SATA Combo	<i>Some:</i> CD-RW/DVD-ROM Combo SATA150 Drive (41N5619)	
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA150 Drive (41N5620)	
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, 1 EIDE connector on planar	
Diskette drive	None	
Media reader	<i>Some:</i> 9-in-1 media reader, occupies diskette drive bay, internal USB 2.0	
Chipset	Intel 945GC Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA300, ATA-100 EIDE, PCI Express x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O	
Front ports	Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (15-pin)	
Rear audio ports	Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]	
Audio	High Definition (HD) audio, AD1988A codec	
External speakers	<i>Some:</i> desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo	
Internal speaker	Internal mono speaker	
Ethernet	10/100 ethernet, Realtek® RTL8101E, PCIe x1	
Modem	<i>Some:</i> 56K ¹⁰ V.90 data/fax soft modem, PCI adapter	
Keyboard	104-key Preferred Pro USB Keyboard, black	
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black	
Power supply	280 watts, universal, manual switch	
Preloaded operating system²⁰	<ul style="list-style-type: none"> <i>Some:</i> Microsoft® Windows® Vista Home Basic Edition (32-bit) <i>Some:</i> Microsoft Windows Vista Home Premium Edition (32-bit) <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit) 	<ul style="list-style-type: none"> Network Magic™ Adobe® Reader Windows Live™ Toolbar Windows Live Search Picasa from Google Diskeeper® Home <i>Except Model 23U:</i> Corel® Small Business Center™ with WordPerfect® Office 12 QuickBooks Financial Center Microsoft Office 2007 Trial EarthLink Trial (Vista Home Basic, Vista Home Premium)
Preloaded applications⁵ (all OSes)	<ul style="list-style-type: none"> Lenovo CareSM Tools <ul style="list-style-type: none"> Rescue and Recovery™ System Update Password Manager Lenovo Multimedia Center Norton Internet Security™ (90 days of virus definitions) PC-Doctor™ (diagnostics) 	
		Limited Warranty¹ <ul style="list-style-type: none"> 1-year parts and labor International Warranty Service⁹ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) Lenovo Care services at http://lenovo.com/warranty 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

See footnotes for important warranty information
US models announced July 3 or October 16, 2007
US models withdrawn effective March 2008

Type-mod	Slot x bay	AMD Processor	GHz	L2 cache	Core	Memory ⁸	Media reader	SATA disk	SATA optical	Integrated graphics	Security chip	Modem	External speakers	Preload	Avail date
9686-34U	4x4	Athlon 64 3800+	2.4	512KB	Single	512MB	None	80GB ²	DVD	X1250	Yes	None	None	XP Pro	Aug 07
9686-35U	4x4	Athlon 64 3800+	2.4	512KB	Single	1GB	None	80GB	Combo	X1250	Yes	None	None	XP Pro	Aug 07
9686-4EU	4x4	Athlon 64 X2 4000+	2.1	2x512KB	Dual	512MB	None	80GB	DVD	X1250	Yes	None	None	XP Pro	Aug 07
9686-4AU	4x4	Athlon 64 X2 4000+	2.1	2x512KB	Dual	1GB	None	80GB	Combo	X1250	Yes	None	None	XP Pro	Aug 07
9686-4BU	4x4	Athlon 64 X2 4000+	2.1	2x512KB	Dual	1GB	None	160GB	DVD±RW	X1250	Yes	None	None	XP Pro	Aug 07
9686-59U	4x4	Athlon 64 X2 4400+	2.3	2x512KB	Dual	512MB	None	80GB	DVD	X1250	Yes	None	None	XP Pro	Aug 07
9686-54U	4x4	Athlon 64 X2 4400+	2.3	2x512KB	Dual	1GB	None	160GB	Combo	X1250	Yes	None	None	XP Pro	Aug 07
9686-56U	4x4	Athlon 64 X2 4400+	2.3	2x512KB	Dual	1GB	None	320GB	DVD±RW	X1250	Yes	None	None	XP Pro	Aug 07
9686-65U	4x4	Athlon 64 X2 4800+	2.5	2x512KB	Dual	512MB	None	80GB	DVD	X1250	Yes	None	None	XP Pro	Aug 07
9686-62U	4x4	Athlon 64 X2 4800+	2.5	2x512KB	Dual	1GB	None	160GB	Combo	X1250	Yes	None	None	XP Pro	Aug 07

Positioning Processor	Excellent performance at competitive prices AMD® Athlon™ 64 3800+ with single-core, integrated L1/L2 cache, AMD64, integrated DDR2 memory controller, and virtualization technology or AMD Athlon 64 X2 4000+, 4400+, or 4800+ with dual-core, integrated L1/L2 cache, AMD64, integrated DDR2 controller, and virtualization technology	Tower <ul style="list-style-type: none"> • Business black and silver bezel • 6.9" W X 16.7" D X 16.1" H • 175mm W X 424mm D X 410mm H • 22.0 lb (10.0 kg) • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 
Implementation	Processor in 940-pin PGA package in Socket AM2	
Memory	512MB or 1GB std, 8GB max⁸, PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Non-italics:</i> standard memory in one socket; 3 sockets available	
Graphics	ATI™ Radeon™ X1250 , integrated graphics in RS690, uses main memory, one 15-pin analog D-sub connector, optional PCI Express x16 adapter can support two monitors	Bay ① 5.25", 1.6" high, access, standard optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, opt 9-in-1/diskette Bay ④ 3.5", 1" high, no access, standard disk
SATA disk	80GB, 160GB or 320GB , SATA300, 7200 rpm	Slot 1: half-length, full-height, PCI Express x16 (75w max)
SATA controller	Serial ATA, 300MB/sec SATA300, integrated in SB600 south bridge, four SATA connectors	Slot 2: half-length, full-height, PCI Express x1
SATA DVD	<i>Some:</i> DVD-ROM DL SATA150 16-48X Max ⁴ Drive (41N5618)	Slot 3: half-length, full-height, 32-bit PCI 2.3 (5v)
SATA Combo	<i>Some:</i> CD-RW/DVD-ROM Combo SATA150 Drive (41N5619)	Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA150 Drv (41N5620)	
EIDE controller	Enhanced IDE, ATA-133, integrated in SB600, 1 EIDE connector on planar	
Diskette drive	None	
Media reader	None	
Chipset	AMD 690G Chipset ; I/O Controller Hub SB600 for SATA300, ATA-133 EIDE, PCI Express x1, PCI Express x16, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O	Security <ul style="list-style-type: none"> • Security chip (see information on left) • One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> - Padlock loop (in rear for opt padlock) - Security slot (in rear for optional Kensington® Microsaver® cable) • Power-on password • Administrator password • Boot sequence control • Boot without keyboard, mouse, diskette • Unattended start mode • Serial port I/O control • Parallel port I/O control
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (15-pin)	
Rear audio ports	Microphone-in (stereo), line-in (stereo), line-out (stereo) [all 3.5mm]	
Audio	High Definition (HD) audio, ALC888 codec	
External speakers	None	
Internal speaker	Internal mono speaker	
Ethernet	Gigabit ethernet on planar, Marvell® 88E8071, PCIe x1, Wake on LAN®	
Modem	None	
Security chip	Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant	
Keyboard	104-key Preferred Pro USB Keyboard, black	
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black	
Power supply	280 watts, universal, manual switch	
Preloaded operating system²⁰	Accessories	Limited Warranty¹
- Microsoft® Windows® XP Professional	1GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2001	↪ 1-year parts and labor
Preloaded applications⁵ (only some listed)	2GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2002	↪ International Warranty Service⁹
• Lenovo Care SM Tools	Super Multi-Burner DL DVD±RW SATA Drive 41N5620	↪ Customer Replaceable Unit (CRU)
– Rescue and Recovery™	160GB Serial ATA300 Disk (7200 rpm) 09N4254	parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time
– System Update	250GB Serial ATA300 Disk (7200 rpm) 41N3015	↪ Onsite service upgrade options (in eligible locations):⁷
– Password Manager	500GB Serial ATA300 Disk (7200 rpm) 43R1990	• 2-year LOR 9x5, Next Business Day (Lenovo Care SM part number 41K0541)
• Norton Internet Security™ (90 days of virus definitions)	USB Portable Diskette Drive 05K9276	• 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542)
• PC-Doctor™ (diagnostics)	USB 2.0 Essential Memory Key 2GB 41U4944	↪ Post-warranty maintenance services:⁶
• Adobe® Reader	USB 2.0 Security Memory Key 2GB 41U5119	• 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543)
• Windows Live™ Toolbar	USB 2.0 Security Memory Key 4GB 41U5120	• 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544)
• Picasa from Google	USB 2.0 Portable 80GB Hard Disk 41N8378	
• Diskeeper® Home	USB 2.0 Portable 120GB Hard Disk 41N5565	
• Corel® Small Business Center™ with WordPerfect® Office 12	USB 2.0 Super Multi-Burner Drive-LS 31P7415	
• Corel Photo Album Starter™ 6	Preferred Pro Full Size PS/2 Keyboard 73P4067	
• Microsoft Office 2007 Trial	Wireless Kbd & Opt Wheel Mouse (via USB) 40Y8518	
• InterVideo WinDVD (combo, DVD, DVD±RW)	USB 2.0 Lenovo Multimedia Headset 40Y8519	
	USB 2.0 Lenovo Webcam 4431HB2	
	ThinkVision® L193p 19" LCD Monitor 4434HB2	
	ThinkVision L194 Wide 19" LCD Monitor 4433HB2	
	ThinkVision L220x Wide 22" LCD Monitor 43R1962	
	ATI Radeon HD 2400 XT 256MB	
	Other accessories at http://lenovo.com/accessories	

See footnotes for important warranty information
US models announced August 7, 2007
US models withdrawn effective March 2008

Type-mod	Slot x bay	AMD Processor	GHz	L2 cache	Core Memory ⁸	Media reader	SATA disk	SATA optical	Integrated graphics	Security chip	Mo-dem	External speakers	Vista preload	Avail date
9686-24U	4x4	Athlon 64 X2 4400+	2.3	2x512KB	Dual 1GB	9-in-1	160GB ²	Combo	X1250	Yes		Spkrs	Business 32	Nov 07
9686-4CU	4x4	Athlon 64 X2 4000+	2.1	2x512KB	Dual 1GB	9-in-1	320GB	DVD±RW	X1250	Yes	Mod	Spkrs	Home Premium	Aug 07
9686-57U	4x4	Athlon 64 X2 4400+	2.3	2x512KB	Dual 1GB	9-in-1	320GB	DVD±RW	X1250	Yes	Mod	Spkrs	Home Premium	Aug 07
9686-63U	4x4	Athlon 64 X2 4800+	2.5	2x512KB	Dual 1GB	9-in-1	320GB	DVD±RW	X1250	Yes	Mod	Spkrs	Home Premium	Aug 07

Positioning Processor	<i>Excellent performance at competitive prices</i> AMD® Athlon™ 64 X2 4000+, 4400+, or 4800+ with dual-core , integrated L1/L2 cache, AMD64, integrated DDR2 controller, and virtualization technology	Tower <ul style="list-style-type: none"> • Business black and silver bezel • 6.9" W X 16.7" D X 16.1" H • 175mm W X 424mm D X 410mm H • 22.0 lb (10.0 kg) • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention
Implementation	Processor in 940-pin PGA package in Socket AM2	
Memory	1GB std. , 8GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in 2 sockets; 2 sockets available	
Graphics	ATI™ Radeon™ X1250 , integrated graphics in RS690, uses main memory, one 15-pin analog D-sub connector, optional PCI Express x16 adapter can support two monitors	
SATA disk	160GB or 320GB , SATA300, 7200 rpm	Bay ① 5.25", 1.6" high, access, standard optical
SATA controller	Serial ATA, 300MB/sec SATA300, integrated in SB600 south bridge, four SATA connectors	Bay ② 5.25", 1.6" high, access, open
SATA Combo	<i>Some:</i> CD-RW/DVD-ROM Combo SATA150 Drive (41N5619)	Bay ③ 3.5", 1" high, access, std or opt 9-in-1/dstte
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA150 Drive (41N5620)	Bay ④ 3.5", 1" high, no access, standard disk
EIDE controller	Enhanced IDE, ATA-133, integrated in SB600, 1 EIDE connector on planar	Slot 1: half-length, full-height, PCI Express x16 (75w max)
Diskette drive	None	Slot 2: half-length, full-height, PCI Express x1
Media reader	9-in-1 media reader, occupies diskette drive bay, internal USB 2.0	Slot 3: half-length, full-height, 32-bit PCI 2.3 (5v)
		Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)*
		* modem in slot in some models

Chipset	AMD 690G Chipset: I/O Controller Hub SB600 for SATA300, ATA-133 EIDE, PCI Express x1, PCI Express x16, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O	Security <ul style="list-style-type: none"> • Security chip (see information on left) • One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> - Padlock loop (in rear for opt padlock) - Security slot (in rear for optional Kensington® Microsaver® cable) • Power-on password • Administrator password • Boot sequence control • Boot without keyboard, mouse, diskette • Unattended start mode • Serial port I/O control • Parallel port I/O control
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (15-pin)	
Rear audio ports	Microphone-in (stereo), line-in (stereo), line-out (stereo) [all 3.5mm]	
Audio	High Definition (HD) audio, ALC888 codec	
External speakers	Desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo	
Internal speaker	Internal mono speaker	
Ethernet	Gigabit ethernet on planar, Marvell® 88E8071, PCIe x1, Wake on LAN®	
Modem	<i>Some:</i> 56K ¹⁰ V.90 data/fax soft modem, PCI adapter	
Security chip	Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant	
Keyboard	104-key Preferred Pro USB Keyboard, black	
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black	
Power supply	280 watts, universal, manual switch	

Preloaded operating system ²⁰	Accessories
- <i>Some:</i> Microsoft® Windows® Vista Home Premium Edition (32-bit)	1GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2001
- <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit)	2GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2002
↔ <i>All models:</i> Vista Premium logo	Super Multi-Burner DL DVD±RW SATA Drive 41N5620
Preloaded applications⁵ (all OSes)	160GB Serial ATA300 Disk (7200 rpm) 09N4254
• Lenovo Care SM Tools	250GB Serial ATA300 Disk (7200 rpm) 41N3015
– Rescue and Recovery™	500GB Serial ATA300 Disk (7200 rpm) 43R1990
– System Update	USB Portable Diskette Drive 05K9276
– Password Manager	USB 2.0 Essential Memory Key 1GB 41U4940
• Lenovo Multimedia Center	USB 2.0 Essential Memory Key 2GB 41U4944
• Norton Internet Security™ (90 days of virus definitions)	USB 2.0 Security Memory Key 1GB 41U5118
• PC-Doctor™ (diagnostics)	USB 2.0 Security Memory Key 2GB 41U5119
• Network Magic™	USB 2.0 Security Memory Key 4GB 41U5120
• Adobe® Reader	USB 2.0 Portable 80GB Hard Disk 41N8378
• Windows Live™ Toolbar	USB 2.0 Portable 120GB Hard Disk 41N8379
• Windows Live Search	USB 2.0 Super Multi-Burner Drive-LS 41N5565
• Picasa from Google	Preferred Pro Full Size PS/2 Keyboard 31P7415
• Diskeeper® Home	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067
• Corel® Small Business Center™ with WordPerfect® Office 12	USB 2.0 Lenovo Multimedia Headset 40Y8518
• QuickBooks Financial Center	USB 2.0 Lenovo Webcam 40Y8519
• Microsoft Office 2007 Trial	ThinkVision® L190x 19" LCD Monitor 4439HB2
• EarthLink Trial (Vista Home Premium)	ThinkVision L193p 19" LCD Monitor 4431HB2
	ThinkVision L194 Wide 19" LCD Monitor 4434HB6
	ThinkVision L220x Wide 22" LCD Monitor 4433HB2
	ATI Radeon HD 2400 XT 256MB 43R1962
	Acc Guide in pdf lenovo.com/accessoriesguide
	Other accessories at http://lenovo.com/accessories

Limited Warranty ¹
↔ 1-year parts and labor
↔ International Warranty Service⁹
↔ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time
↔ Onsite service upgrade options (in eligible locations):⁷
• 2-year LOR 9x5, Next Business Day (Lenovo Care SM part number 41K0541)
• 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542)
↔ Post-warranty maintenance services:⁶
• 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543)
• 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544)
↔ Lenovo Care services at http://lenovo.com/warranty
↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

See footnotes for important warranty information
 US models announced August 7 or October 16, 2007
 US models withdrawn effective March 2008

Partial list of accessories supported on

- Lenovo 3000 J200 with 945GC chipset
- Lenovo 3000 J205 with 690G chipset

Memory

512MB PC2-5300 CL5 NP DDR2 UDIMM	73P4983	ann 06/28/05
1GB PC2-5300 DDR2 UDIMM (TopSeller)	43R2001	ann 03/25/08
1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984	ann 06/28/05
2GB PC2-5300 DDR2 UDIMM (TopSeller)	43R2002	ann 03/25/08
2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985	ann 09/26/06

Optical

DVD-ROM DL SATA150 16X-48X Max ⁴ Drive	41N5618	ann 09/26/06
CD-RW/DVD-ROM Combo SATA150 Drive	41N5619	ann 09/26/06
Super Multi-Burner DL DVD±RW SATA Drive	41N5620	ann 09/26/06

Storage and removable storage

80GB Serial ATA300 Disk (7200 rpm)	09N4253	ann 05/19/03
160GB Serial ATA300 Disk (7200 rpm)	09N4254	ann 05/19/03
250GB Serial ATA300 Disk (7200 rpm)	41N3015	ann 01/24/06
500GB Serial ATA300 Disk (7200 rpm)	43R1990	ann 11/06/07
USB Portable Diskette Drive	05K9276	ann 06/05/00
USB 2.0 Essential Memory Key 1GB	41U4940	ann 01/23/07
USB 2.0 Essential Memory Key 2GB	41U4944	ann 01/23/07
USB 2.0 Security Memory Key 1GB	41U5118	ann 07/17/07
USB 2.0 Security Memory Key 2GB	41U5119	ann 07/17/07
USB 2.0 Security Memory Key 4GB	41U5120	ann 07/17/07
USB 2.0 CD-RW/DVD-ROM Combo II Drive	40Y8637	ann 01/05/06
USB 2.0 Portable 80GB Hard Disk	41N8378	ann 04/17/07
USB 2.0 Portable 120GB Hard Disk	41N8379	ann 04/17/07
USB 2.0 Super Multi-Burner Drive	41N5565	ann 01/23/07

Graphics

J200 Tower 9690 with 945GC models support up to 75 watt max:
ATI™ Radeon™ HD 2400 XT 256MB 43R1962 ann 11/06/07

J205 Tower 9686 with 690G models support up to 75 watt max:
ATI Radeon HD 2400 XT 256MB 43R1962 ann 11/06/07

Keyboard

Preferred Pro USB Keyboard	73P5220	ann 06/21/05
Preferred Pro Full Size PS/2 Keyboard	31P7415	ann 06/04/02
Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	ann 12/06/04

Mouse

Optical Wheel Mouse (USB)	06P4069	ann 05/21/03
Optical ScrollPoint® Mouse (USB, PS/2)	31P7405	ann 08/27/02
Laser Tilt Wheel Mouse (USB, PS/2)	41U3074	ann 01/23/07

Multimedia

USB 2.0 Lenovo Multimedia Headset	40Y8518	ann 06/27/06
USB 2.0 Lenovo Webcam	40Y8519	ann 08/29/06

Power and Cables

Belkin 7-Outlet Surge Protector	31P7657	
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Security

Kensington® Cable Lock from Lenovo	73P2582	ann 12/29/03
USB GemPlus GemPC Smart Card Reader	41N3040	ann 02/21/06

Monitors

Lenovo E75 17" CRT Monitor (16.0" vis)	6307BTN	ann 01/16/07
ThinkVision® L151 15" LCD Monitor	9165AC6	ann 10/23/07
ThinkVision L171 17" LCD Monitor	9227AD1	ann 10/23/07
ThinkVision L171p 17" LCD Monitor	9417HC2	ann 10/31/06
ThinkVision L190x 19" LCD Monitor	4439HB2	ann 10/23/07
ThinkVision L193p 19" LCD Monitor	4431HB2	ann 10/23/07
ThinkVision L194 Wide 19" LCD Monitor	4434HB6	ann 10/23/07
ThinkVision L220x Wide 22" LCD Monitor	4433HB2	ann 10/23/07

Monitor Accessories⁴⁶

ThinkVision USB Soundbar	40Y7616	ann 08/23/05
Kensington Cable Lock from Lenovo	73P2582	ann 12/29/03
Radial Arm	19K4464	ann 05/05/00

⁴⁶ Compatible on selected Lenovo and ThinkVision monitors.

Medialess License Key (MLK)

Microsoft® Office 2007 Basic, English	43R1528	ann 01/31/07
Microsoft Office 2007 Small Business, Engl	43R1534	ann 01/31/07
Microsoft Office 2007 Professional, English	43R1531	ann 01/31/07

Other accessories at <http://lenovo.com/accessories>

Accessories Guide at pdf lenovo.com/accessoriesguide

Need to buy accessories no longer marketed by Lenovo? See www.itxchange.com/lenovo for the Options Continuation Program.

Lenovo CareSM maintenance services

Onsite service upgrade options (in eligible locations): ⁷	
2-year Lenovo Onsite Repair 9x5, Next Business Day	41K0541
3-year Lenovo Onsite Repair 9x5, Next Business Day	41K0542

Post-warranty maintenance services:⁶

1-year Lenovo Onsite Repair 9x5, Next Business Day	41K0543
2-year Lenovo Onsite Repair 9x5, Next Business Day	41K0544

Lenovo Care maintenance services at <http://lenovo.com/warranty>

Part number	Slot x bay	Processor	L2 cache	Core Memory ³	Media reader	SATA disk	SATA optical	Graphics	Intel Viiv	Mo-dem	TV tuner	Power dial	Remote control	Vista preload	Avail date
57-061334	4x5	Pentium E2140	1.60 1MB Dual	2GB	8-in-1	320GB ²	DVD±RW	GMA		Mod		Pwr	Remote	Home Prem	Oct 07
57-061308	4x5	Core 2 Duo E6550	2.33 4MB Dual	2GB	8-in-1	500GB	DVD±RW	GMA	Viiv	Mod		Pwr	Remote	Home Prem	Oct 07
57-061330	4x5	Core 2 Quad Q6600	2.40 8MB Quad	3GB	8-in-1	500GB	DVD±RW	GMA	Viiv		TV	Pwr	Remote	Home Prem	Oct 07

- Power Dial on front to adjust power and energy for three modes (cool, auto, and turbo)

Processor	<p>Intel® Pentium® Dual-Core Processor E2140 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E6550 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 4MB shared L2 cache or Intel Core 2 Quad Processor Q6600 with quad-core (dual-core on dual-die), Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, and 1066MHz system bus with 4MB shared L2 cache on each die Processor in FC-LGA6 package in LGA775 socket</p>	<p>Tower</p> <ul style="list-style-type: none"> • Black and silver bezel • 7.1" W X 17.9" D X 15.0" H • 180mm W X 455mm D X 380mm H • 28.8 lb (13.1 kg) • Handle on top front • Toolless cover removal • Toolless disk, optical drive removal • Toolless adapter retention
Implementation		
Memory	<p>2GB or 3GB std., 8GB max⁵ (Vista only supports 3.2GB max), PC2-5300 667MHz DDR2, non-parity, dual-channel capable, four 240-pin DIMM sockets <i>Italics:</i> standard memory in two sockets; 2 sockets available; <i>Non-italics:</i> standard memory in three sockets; 1 socket available</p>	<p>Bay ① 5.25", 1.6" high, access, standard optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.25", 1" high, access, 8-in-1 media reader Bay ④ 3.5", 1" high, no access, standard disk Bay ⑤ 3.5", 1" high, no access, opt disk</p>
Graphics	<p>Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G33, uses main memory, one 15-pin analog D-sub connector</p>	<p>Slot 1: half-length, full-height, PCI Express x16 Ver 1.1 Slot 2: half-length, full-height, PCI Express x1 Ver 1.1 Slot 3: half-length, full-height, PCI Express x1 Ver 1.1* Slot 4: half-length, full-height, 32-bit PCI Ver 2.3 **</p>
SATA disk	<p>320GB or 500GB, SATA 3.0Gb/s, 7200 rpm</p>	
SATA controller	<p>Serial ATA, SATA 3.0Gb/s, integrated in ICH9R, supports RAID 0, 1, 5, 10</p>	
SATA DVD±RW	<p>Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive</p>	
SATA cables	<p>Two SATA cables (each 1-drop to device), four SATA connectors</p>	
EIDE controller	<p>None</p>	
Diskette drive	<p>None</p>	
Media reader	<p>8-in-1 media reader, internal USB 2.0</p>	
Chipset	<p>Intel G33 Express Chipset: I/O Controller Hub 9 RAID (ICH9R) for SATA 3.0Gb/s with RAID 0/1/5/10 support, PCI Express x1, ethernet (MAC), PCI 2.3, USB, LPC bus / SMSC® SCH5617 Super I/O for serial, parallel, hardware monitoring (temperature, voltage, fan speed)</p>	
Front ports	<p>Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)</p>	
Rear ports	<p>Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (15-pin)</p>	
Rear audio ports	<p>Microphone-in, line-in, line-out, CEN/LFE-out, surround-out, SPDIF-out</p>	
Audio	<p>High Definition (HD) audio, ADI1988 codec</p>	
External speakers	<p>None</p>	
Internal speaker	<p>None</p>	
Ethernet	<p>10/100 ethernet on planar, Intel 82566DC (PHY/MAC)</p>	
Modem	<p><i>Some:</i> 56K¹⁰ V.90 data/fax soft modem, PCI adapter</p>	
Security chip	<p>None</p>	
Intel Viiv	<p><i>Some:</i> Intel Viiv™ technology for the home</p>	
TV tuner	<p><i>Some:</i> dual tuner high definition ATSC/QAM digital TV plus analog TV, Hauppauge WinTV-HVR-1800, PCIe x1</p>	
Remote control	<p>Philips Vista MCE remote control (40-button)</p>	
Ira receiver	<p>Philips Vista MCE Ira receiver</p>	
Power dial	<p>Power dial (with breathing lights) to adjust power and energy for three modes (green light for cool mode, blue light for auto mode, and red light for turbo mode)</p>	
Keyboard	<p>104-key anti-bacterial keyboard (PS/2)</p>	
Mouse	<p>Optical Wheel Mouse (USB), 400 dpi</p>	
Power supply	<p>280 watts, universal, manual switch</p>	
<p>Preloaded operating system²⁰ - Microsoft® Windows® Vista® Home Premium Edition (32-bit) ⇨ <i>All models:</i> Vista Premium logo</p> <p>Preloaded applications⁵</p> <ul style="list-style-type: none"> • Lenovo Rescue System <ul style="list-style-type: none"> - OneKey Antivirus - File Management - OneKey Recovery - Driver & Application Installation • Lenovo Power Dial • Trend Micro™ PC-cillin™ Internet Security 2007 • EarthLink® • Windows Live™ Toolbar • Microsoft Office 2007 Trial (60-day) • InterVideo WinDVD (DVD±RW) • CyberLink Power2Go (DVD±RW) 		<p>Security</p> <ul style="list-style-type: none"> • Chassis lock
<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ⇨ 1-year parts and labor ⇨ International Warranty Service⁹ ⇨ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time ⇨ Lenovo Care services at http://lenovo.com/warranty ⇨ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 1-877-453-6686 		



See footnotes for important warranty information
 US models announced October 9, 2007
 US models withdrawn effective May 2008

Part number	Slot x bay	Processor	GHz	L2 cache	Cores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	Modem	Monitor	Camera	Preload	Avail date
57091128	1x4	Atom 230	1.60	512KB	1	1GB	16-in-1	160GB ²	DVD±RW	GMA 950	None	L195 HD	None	Home Basic	Jan 09
57099437	1x4	Atom 230	1.60	512KB	1	1GB		160GB	DVD±RW	GMA 950	None	D185 HD	None	XP Home	Mar 09
57098978	1x4	Atom 230	1.60	512KB	1	1GB		160GB	DVD±RW	GMA 950	None		None	XP Home	Apr 09

- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Processor	Intel® Atom™ Processor 230 with single-core, Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 512KB L2 cache	Tower <ul style="list-style-type: none"> • Black bezel with glossy finish • 6.9" W X 16.1" D X 14.2" H • 175mm W X 409mm D X 360mm H • 20.1 lb (9.1 kg) in max configuration Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.0", 1" high, access, media reader* Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk * 16-in-1 media reader in some models Slot 1: half-length, full-height, 32-bit PCI Ver 2.3
Implementation	Processor in Micro-FCBGA package in BGA437 socket	
Memory	1GB std , 2GB max ⁸ , one 240-pin DIMM socket 57091128: PC2-5300 667MHz DDR2 , non-parity; others: PC2-6400 800MHz DDR2 , non-parity	
Graphics	Intel Graphics Media Accelerator 950 (GMA 950) , integrated graphics in 945GC, uses main memory, one 15-pin analog VGA DB-15 connector	
SATA disk	160GB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7	
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 3.0Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	<i>Some:</i> 16-in-1 media reader	
Chipset	Intel 945GC Express Chipset , I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, ethernet MAC, PCI 2.3, USB, LPC bus), ITE Tech® IT8718 Super I/O	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, one serial (9-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-in (stereo, 3.5mm)	
Audio	High Definition (HD) audio, ALC662 codec	
External speakers	None	
Internal speaker	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8102E	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	104-key standard keyboard (PS/2 connector)	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi	
Power supply	280 watts, universal, manual switch	
Preloaded operating system²⁰	<ul style="list-style-type: none"> - <i>Some:</i> Genuine Windows® XP Home Edition - <i>Some:</i> Genuine Windows Vista® Home Basic 32 ♦ <i>Vista model:</i> Vista Basic logo	
Preloaded applications⁵	<ul style="list-style-type: none"> • Lenovo® Rescue System • Driver and Application Installation • Trend Micro™ PC-cillin™ Internet Security 2008 • Windows Live™ Toolbar • Microsoft® Office 2007 Trial (60-day) (Vista model only) • Corel® WinDVD® (DVD±RW) • CyberLink Power2Go (DVD±RW) 	
Available at these retailers		
<ul style="list-style-type: none"> • Newegg® • TigerDirect 		
Limited Warranty¹		
<ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 3-year Lenovo Onsite Repair 9x5 Next Business Day (43R8882) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686 		




See footnotes for important warranty information
 US models announced Jan 13, March 17, or April 22, 2009;
 US models withdrawn effective April 2010

Lenovo® H200 (5357) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Slot x bay	Processor	GHz	L2 cache	Memory ³	Media reader	SATA disk	SATA optical	Graphics	Modem	Monitor	Preload	Avail date
5357-1FU	1x4	Atom 230	1.60	512KB	1GB PC2-5300	16-in-1	160GB	DVD	GMA 950	None		Home Basic	Jan 09
5357-ANU	1x4	Atom 230	1.60	512KB	1GB PC2-6400		160GB	DVD±RW	GMA 950	None		XP Home	Dec 09
5357-1VU	1x4	Atom 230	1.60	512KB	1GB PC2-6400		160GB ²	DVD±RW	GMA 950	None		XP Home	Mar 09
5357-1WU	1x4	Atom 230	1.60	512KB	1GB PC2-6400		160GB	DVD±RW	GMA 950	None		XP Home	Mar 09
5357-1XU	1x4	Atom 230	1.60	512KB	1GB PC2-6400		160GB	DVD±RW	GMA 950	None	D185	XP Home	Sep 09
5357-1KU	1x4	Atom 230	1.60	512KB	2GB PC2-5300		1TB	DVD±RW	GMA 950	None		Home Basic	Mar 09
5357-1CU	1x4	Atom 230	1.60	512KB	2GB PC2-5300		320GB	DVD±RW	GMA 950	None		Home Basic	Sep 09
5357-1GU	1x4	Atom 230	1.60	512KB	2GB PC2-5300	16-in-1	320GB	DVD±RW	GMA 950	None		Home Basic	Jan 09
5357-ACU	1x4	Atom 230	1.60	512KB	2GB PC2-6400		320GB	DVD±RW	GMA 950	None	D185	Home Basic	Sep 09

- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**


Processor	Intel® Atom™ processor 230 with single-core, Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 512KB L2 cache	Tower <ul style="list-style-type: none"> • Black bezel with glossy finish • 6.9" W X 16.1" D X 14.2" H • 175mm W X 409mm D X 360mm H • 20.1 lb (9.1 kg) in max configuration
Implementation	Processor in Micro-FCBGA package in BGA437 socket	
Memory	1GB or 2GB std. , 2GB max ⁸ , one 240-pin DIMM socket; <i>Some:</i> PC2-6400 800MHz DDR2 , non-parity; <i>Some:</i> PC2-5300 667MHz DDR2 , non-parity	Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.0", 1" high, access, opt 16-in-1 reader Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk Slot 1: half-length, full-height, 32-bit PCI Ver 2.3
Graphics	Intel Graphics Media Accelerator 950 (GMA 950) , integrated graphics in 945GC, uses main memory, one 15-pin analog VGA DB-15 connector	
SATA disk	160GB, 320GB, or 1TB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7	
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16X-48X Max	
SATA DVD±RW	<i>Some:</i> Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	<i>Some:</i> 16-in-1 media reader	
Chipset	Intel 945GC Express Chipset , I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, ethernet MAC, PCI 2.3, USB, LPC bus), ITE Tech® IT8718 Super I/O	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, one serial (9-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-in (stereo, 3.5mm)	
Audio	High Definition (HD) audio, ALC662 codec	
External speakers	None	
Internal speaker	None	
Ethernet	10/100 ethernet on planar, Realtek® RTL8102E	
Modem	None	
Security chip	None	
Monitor	<i>Some:</i> D185 Wide Flat Panel Monitor	
TV tuner	None	
Camera	None	
Keyboard	104-key standard keyboard (PS/2 connector)	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi	
Power supply	280 watts, universal, manual switch	
Preloaded operating system²⁰	<ul style="list-style-type: none"> - <i>Some:</i> Genuine Windows® XP Home Edition - <i>Some:</i> Genuine Windows Vista® Home Basic 32 ◇ <i>Vista models:</i> Vista Basic logo	Available at these retailers • Lenovo.com • Fry's Limited Warranty¹ ⇨ 1-year parts and labor ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 3-year Lenovo Onsite Repair 9x5 Next Business Day (43R8882) ⇨ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686
Preloaded applications⁵ (only some listed)	<ul style="list-style-type: none"> • Lenovo® Rescue System • Driver and Application Installation • Trend Micro™ PC-cillin™ Internet Security 2008 • Windows Live™ Toolbar • Microsoft® Office 2007 Trial (60-day) (Vista models only) • Corel® WinDVD® (DVD±RW) • CyberLink Power2Go (DVD±RW) 	

See footnotes for important warranty information
 US models announced Jan 13, March 17, September 10, or December 17, 2009;
 US models withdrawn effective April 2010

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 (SCL2-2) April 2010

Part number	Slot x bay	Processor	GHz	L2 cache	Cores	Memory ³	Media reader	SATA disk	SATA optical	Graphics	Modem	Camera	Vista preload	Avail date
57088764	4x4	Pentium E2200	2.20	1MB	2	2GB		500GB ²	DVD±RW	GMA 3100	None	None	Prem 32	Oct 08
57088788	4x4	Pentium E2200	2.20	1MB	2	4GB	16-in-1	640GB	DVD±RW	GMA 3100	None	None	Prem 32	Oct 08
57094408	4x4	Pentium E2220	2.40	1MB	2	3GB		320GB	DVD±RW	GMA 3100	None	None	Prem 32	Jan 09
57098997	4x4	Pentium E5200	2.50	2MB	2	4GB		640GB	DVD±RW	GMA 3100	None	None	Prem 64	Mar 09
57088774	4x4	Core 2 Duo E7200	2.53	3MB	2	4GB	16-in-1	640GB	DVD±RW	GMA 3100	None	None	Prem 32	Oct 08
57098966	4x4	Core 2 Duo E7400	2.80	3MB	2	4GB	16-in-1	640GB	DVD±RW	GMA 3100	None	None	Prem 64	Mar 09

- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Processor	Intel® Pentium® Processor E2200, E2220, or E5200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, <i>E2200/E2220</i> : 1MB L2 cache; <i>E5200</i> : 2MB L2 cache or Intel Core™ 2 Duo Processor E7200 or E7400 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, and 1066MHz system bus with 3MB L2 cache	Tower
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket	<ul style="list-style-type: none"> • Black bezel with glossy finish • 6.9" W X 16.1" D X 14.2" H • 175mm W X 409mm D X 360mm H • 20.1 lb (9.1 kg) in max configuration
Memory	2GB, 3GB, or 4GB std , 4GB max ⁸ , two 240-pin DIMM sockets; <i>Italics</i> : standard memory in both sockets; no sockets available; <i>57098966/57098997</i> : PC2-6400 800MHz DDR2 , non-parity, dual-channel capable; <i>Others</i> : PC2-5300 667MHz DDR2 , non-parity, dual-channel capable	Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.0", 1" high, access, media reader * Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk * 16-in-1 media reader in some models
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory, one 15-pin analog D-sub connector	Slot 1: half-length, full-height, PCI Express x16 Ver 1.1 Slot 2: half-length, full-height, PCI Express x1 Ver 1.1 Slot 3: half-length, full-height, PCI Express x1 Ver 1.1 Slot 4: half-length, full-height, 32-bit PCI Ver 2.3
SATA disk	320GB, 500GB, or 640GB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7	
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	<i>Some</i> : 16-in-1 media reader	
Chipset	Intel G31 Express Chipset (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), Winbond® W83627DHG or ITE Tech® IT8718F Super I/O	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, one serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Audio	High Definition (HD) audio, ALC662 codec	
External speakers	None	
Internal speaker	None	
Ethernet	10/100 ethernet on planar, Intel 82562GZ (PHY/MAC)	
Modem	None	
Security chip	None	
TV tuner	None	Available at these retailers
Camera	None	<ul style="list-style-type: none"> • Newegg® • TigerDirect
Keyboard	104-key standard keyboard (PS/2 connector)	Limited Warranty¹ ⇨ 1-year parts and labor ⇨ 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) ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 3-year Lenovo Onsite Repair 9x5 Next Business Day (43R8882) ⇨ 24x7 ¹⁴ toll-free support for warranty issues during the warranty period ¹ via 877-453-6686
Mouse	Optical Wheel Mouse (USB connector), 400 dpi	
Power supply	280 watts, universal, manual switch	
Preloaded operating system²⁰	<ul style="list-style-type: none"> - <i>Some</i>: Genuine Windows® Vista® Home Premium 32 - <i>Some</i>: Genuine Windows Vista Home Premium 64 ⇨ Vista Basic logo	
Preloaded applications⁵	<ul style="list-style-type: none"> • Lenovo® Rescue System • Lenovo Healthcare Software (Premium 32-bit models only) • Driver and Application Installation • Trend Micro™ PC-cillin™ Internet Security • Windows Live™ Toolbar • Microsoft® Office 2007 Trial (60-day) • VeriFace™ (Premium 32-bit models only) • Corel® WinDVD® (DVD±RW) • CyberLink Power2Go (DVD±RW) 	

See footnotes for important warranty information
 US models announced October 22, 2008 or Jan 13 or March 17, 2009;
 US models withdrawn effective April 2010

Lenovo® H210 (5355) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Slot x bay	Processor	GHz	L2 cache	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	Modem	Monitor	Vista preload	Avail date
5355-1EU	4x4	Pentium E2200	2.20	1MB	2GB PC2-5300		500GB ²	DVD±RW	GMA 3100	None		Prem 32	Oct 08
5355-1FU	4x4	Pentium E2200	2.20	1MB	3GB PC2-5300	16-in-1	320GB	DVD±RW	GMA 3100	None		Prem 32	Nov 08
5355-ADU	4x4	Pentium E2220	2.40	1MB	2GB PC2-5300	16-in-1	250GB	DVD±RW	GMA 3100	None		Prem 32	Jan 09
5355-1VU	4x4	Pentium E2220	2.40	1MB	3GB PC2-5300		320GB	DVD±RW	GMA 3100	None		Prem 32	Jan 09
5355-AEU	4x4	Pentium E2220	2.40	1MB	3GB PC2-5300	16-in-1	320GB	DVD±RW	GMA 3100	None		Prem 32	Jan 09
5355-2JU	4x4	Pentium E2220	2.40	1MB	3GB PC2-5300		320GB	DVD±RW	GMA 3100	None		Prem 32	Jan 09
5355-2JU	4x4	Pentium E5200	2.50	2MB	3GB PC2-5300	16-in-1	500GB	DVD±RW	GMA 3100	None		Prem 32	Jan 09
5355-2NU	4x4	Pentium E5200	2.50	2MB	4GB PC2-6400		320GB	DVD±RW	GMA 3100	None		Prem 64	Sep 09
5355-2OU	4x4	Pentium E5200	2.50	2MB	4GB PC2-6400		500GB	DVD±RW	GMA 3100	None		Prem 64	Sep 09
5355-2OU	4x4	Pentium E5200	2.50	2MB	4GB PC2-6400		500GB	DVD±RW	GMA 3100	None	D185	Prem 64	Sep 09
5355-2DU	4x4	Pentium E5200	2.50	2MB	4GB PC2-5300	16-in-1	500GB	DVD±RW	GMA 3100	None		Prem 32	Nov 08
5355-2MU	4x4	Pentium E5300	2.60	2MB	4GB PC2-6400	16-in-1	640GB	DVD±RW	GMA 3100	None		Prem 64	Mar 09
5355-3HU	4x4	Core 2 Duo E7400	2.80	3MB	4GB PC2-5300	16-in-1	640GB	DVD±RW	GMA 3100	None		Prem 32	Feb 09
5355-3OU	4x4	Core 2 Duo E7400	2.80	3MB	4GB PC2-6400	16-in-1	1TB	DVD±RW	GMA 3100	None		Prem 64	Mar 09
5355-3UU	4x4	Core 2 Duo E7500	2.93	3MB	4GB PC2-6400		320GB	DVD±RW	GMA 3100	None		Prem 64	Sep 09
5355-3WU	4x4	Core 2 Duo E7500	2.93	3MB	4GB PC2-6400	16-in-1	640GB	DVD±RW	GMA 3100	None		Prem 64	Sep 09

• **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Processor	Intel® Pentium® Processor E2200, E2220, E5200, or E5300 with dual-core , Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, <i>E2200/E2220</i> : 1MB L2 cache; <i>E5200/E5300</i> : 2MB L2 cache or Intel Core™ 2 Duo Processor E7400 or E7500 with dual-core , Intel 64 Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 3MB L2 cache	Tower <ul style="list-style-type: none"> • Black bezel with glossy finish • 6.9" W X 16.1" D X 14.2" H • 175mm W X 409mm D X 360mm H • 20.1 lb (9.1 kg) in max configuration <p>Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.0", 1" high, access, media reader * Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk * 16-in-1 media reader in some models</p> <p>Slot 1: half-length, full-height, PCI Express x16 Ver 1.1 Slot 2: half-length, full-height, PCI Express x1 Ver 1.1 Slot 3: half-length, full-height, PCI Express x1 Ver 1.1 Slot 4: half-length, full-height, 32-bit PCI Ver 2.3</p>
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket	
Memory	2GB, 3GB, or 4GB std , 4GB max ⁸ , two 240-pin DIMM sockets; <i>Italics</i> : standard memory in both sockets; no sockets available; <i>Non-italics</i> : standard memory in one socket; one socket available; <i>Some</i> : PC2-6400 800MHz DDR2 , non-parity, dual-channel capable; <i>Some</i> : PC2-5300 667MHz DDR2 , non-parity, dual-channel capable	
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory, one 15-pin analog D-sub connector	
SATA disk	250GB, 320GB, 500GB, 640GB, or 1TB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7	
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	<i>Some</i> : 16-in-1 media reader	
Chipset	Intel G31 Express Chipset (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), Winbond® W83627DHG or ITE Tech® IT8718F Super I/O	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, one serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Audio	High Definition (HD) audio, ALC662 codec	
External speakers	None	
Internal speaker	None	
Ethernet	10/100 ethernet on planar, Intel 82562GZ (PHY/MAC)	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	104-key standard keyboard (PS/2 connector)	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi	
Power supply	280 watts, universal, manual switch	
Preloaded operating system²⁰	Preloaded applications⁵	
- <i>Some</i> : Genuine Windows® Vista® Home Premium 32	• Lenovo® Rescue System	
- <i>Some</i> : Genuine Windows Vista Home Premium 64	• Lenovo Healthcare Software (Premium 32-bit models only)	
◇ Vista Basic logo	• Driver and Application Installation	
	• Trend Micro™ PC-cillin™ Internet Security	
	• Windows Live™ Toolbar	
	• Microsoft® Office 2007 Trial (60-day)	
	• VeriFace™ (Premium 32-bit models only)	
	• Corel® WinDVD® (DVD±RW)	
	• CyberLink Power2Go (DVD±RW)	



Available at these retailers

- lenovo.com
- Fry's

Limited Warranty¹

- ↪ 1-year parts and labor
- ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- ↪ Service upgrade options (in eligible locations):⁹
 - 3-year Lenovo Onsite Repair 9x5 Next Business Day (43R8882)
- ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

See footnotes for important warranty information

US models announced October 22, 2008 or Jan 13, February 24, March 17, or September 10, 2009;

US models withdrawn effective April 2010


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Lenovo® H215 (0893) - Windows 7 - withdrawn

Personal Systems Reference (PSREF)

Type-model	Slot x bay	Processor	GHz	L2 cache	Cores	Memory ³	Media reader	SATA disk	SATA optical	Graphics	TV tuner	Power supply	Win7 preload	Avail date
0893-1EU	4x4	Athlon II X2 240	2.80	2MB	2	2GBx1	16-in-1	320GB ²	DVD±RW	Radeon 3000	None	180W	Prem 32	Aug 10
0893-1FU	4x4	Athlon II X2 240	2.80	2MB	2	2GBx2	16-in-1	1TB	DVD±RW	Radeon 3000	None	180W	Prem 64	Aug 10

- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Processor	AMD® Athlon™ II X2 Processor 240 with dual-core, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, integrated DDR3 memory controller, and 2MB L2 cache (1MB per core)	Tower <ul style="list-style-type: none"> • Black bezel with glossy finish • 6.9" W X 16.2" D X 14.2" H • 175mm W X 412mm D X 360mm H • 17.6 lb (8.0 kg), weight may vary by configuration
Implementation	Processor in Socket AM3	
Memory	2GB or 4GB std , 4GB max ⁸ , dual-channel capable, PC3-8500 1066MHz DDR3 , non-parity, two 240-pin DIMM sockets	
Graphics	ATI™ Radeon™ 3000 , integrated graphics in 760G, uses main memory, DirectX® 10, ATI Avivo™, one analog VGA DB-15 connector, one HDMI connector, HDCP	
SATA disk	320GB or 1TB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in SB710	
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	16-in-1 media reader	
Chipset	AMD 760G Chipset with HyperTransport 3.0 and PCI Express® 2.0 support; SB710 south bridge	Bay ① 5.25", 1.6" high, access, standard optical Bay ② N/A, N/A, N/A, media reader* Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk * Only for optional 16-in-1 media reader Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 Slot 2: half-length, full-height, PCI Express x1 Ver 2.0 Slot 3: half-length, full-height, PCI Express x1 Ver 2.0 Slot 4: half-length, full-height, 32-bit PCI Ver 2.3
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, HDMI)	
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	
External speakers	None	
Internal speaker	None	
Ethernet	10/100 ethernet on planar, Realtek 8103EL	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	104-key standard keyboard (PS/2 connector)	Limited Warranty¹ <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686
Mouse	Optical Wheel Mouse (USB connector)	
Power supply	180 watts, universal, manual switch	
Preloaded operating system²⁰	<ul style="list-style-type: none"> - <i>Some:</i> Genuine Windows® 7 Home Premium 32 - <i>Some:</i> Genuine Windows 7 Home Premium 64 	
Preloaded applications⁵	<ul style="list-style-type: none"> • Lenovo® Rescue System • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Windows Live™ Essential • Microsoft Office 2010 preloaded; purchase product key to activate • CyberLink Power2Go (DVD±RW) 	

See footnotes for important warranty information
 US model(s) announced August 25, 2010
 US model(s) withdrawn effective April 2013

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Lenovo® H230 (3022) - Windows 7 - withdrawn

Personal Systems Reference (PSREF)

Type-model	Slot x bay	Processor	GHz	L2 cache	Memory ⁸	DIMM capacity	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	Modem	Power supply	Win7 preload	Avail date
3022-1AU	4x4	E5300	2.60	2MB	4GB	(2, 2)	16-in-1	320GB ²	DVD±RW	GMA X4500		None	180w	Prem 64	Oct 09
3022-1BU	4x4	E5300	2.60	2MB	4GB	(2, 2)	16-in-1	1TB	DVD±RW	GMA X4500		None	180w	Prem 64	Oct 09
3022-1CU	4x4	E7500	2.93	3MB	4GB	(2, 2)	16-in-1	500GB	DVD±RW	GMA X4500		None	180w	Prem 64	Oct 09
3022-1KU	4x4	E7500	2.93	3MB	6GB	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA X4500		None	180w	Prem 64	Oct 09
3022-1DU	4x4	E7500	2.93	3MB	6GB	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA X4500	11b/g ¹¹	None	180w	Prem 64	Oct 09
3022-1EU	4x4	Q8300	2.50	4MB	4GB	(2, 2)	16-in-1	500GB	DVD±RW	GMA X4500		None	280w	Prem 64	Oct 09
3022-1FU	4x4	Q8300	2.50	4MB	6GB	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA X4500	11b/g	None	280w	Prem 64	Oct 09

- **Lenovo Rescue System provides OneKey recovery without booting into Windows**

Processor	Intel® Pentium® Processor E5300 with dual-core , Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo™ Processor E7500 with dual-core , Intel 64 Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 3MB L2 cache or Intel Core 2 Quad Processor Q8300 with quad-core (dual-core on dual-die), Intel 64 Technology, Execute Disable Bit, EIST, 1333MHz system bus, and 4MB L2 cache	Tower <ul style="list-style-type: none"> • Black bezel with glossy finish • 6.9" W X 16.1" D X 14.2" H • 175mm W X 409mm D X 360mm H • 20.1 lb (9.1 kg) in max configuration Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.0", 1" high, access, 16-in-1 media reader Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 Slot 2: half-length, full-height, PCI Express x1 Ver 2.0* Slot 3: half-length, full-height, PCI Express x1 Ver 2.0 Slot 4: half-length, full-height, 32-bit PCI Ver 2.3 * Wireless adapter in slot in some models
Implementation	Processor in FC-LGA6 package in LGA775 socket	
Memory	4GB or 6GB std , 8GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 240-pin DIMM sockets	
Graphics	Intel Graphics Media Accelerator X4500 (GMA X4500) , integrated graphics in G43, uses main memory, DirectX® 10, one 15-pin analog VGA DB-15 connector	
SATA disk	320GB, 500GB, 640GB, or 1TB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10R	
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), five SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	16-in-1 media reader	
Chipset	Intel G43 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 RAID [ICH10R] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5147-NW Super I/O	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Six USB 2.0, one serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Audio	High Definition (HD) audio, ALC662 codec	
External speakers	None	
Internal speaker	None	
Wireless	<i>Some:</i> 11b/g wireless ⁴ , Broadcom BCM4312, PCIe x1 adapter	
Ethernet	10/100 ethernet on planar, Realtek® RTL8102E	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	Full-size keyboard (PS/2 connector), Fn keys, black	
Mouse	Optical Wheel Mouse (USB connector), 1000 dpi, black	
Power supply	<i>Some:</i> 180 watts, universal, manual switch <i>Some:</i> 280 watts, universal, manual switch	
Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64	Preloaded applications⁵ <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Driver and Application Installation • McAfee VirusScan® Plus (30 days of virus definitions) • CyberLink Power2Go (DVD±RW) 	



Limited Warranty¹

- ↪ 1-year parts and labor
- ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- ↪ Service upgrade options (in eligible locations):⁹
 - 3-year Lenovo Onsite Repair 9x5 Next Business Day (43R8882)
- ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

See footnotes for important warranty information
 US models announced October 23, 2009;
 US models withdrawn effective April 2010

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 (SCL3-1) April 2010

Lenovo® H320 (4041) - Windows 7 - withdrawn

Personal Systems Reference (PSREF)

Type-model	Slot x bay	Processor	GHz	Cache	Memory ⁸ DIMM capacity	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	Modem	Power supply	Win7 preload	Avail date
4041-1BU	2x3	i3-540	3.06	4MB	4GB (2, 2)	8-in-1	500GB ²	DVD±RW	Intel HD	11b/g/n ²⁸	None	180W	Prem 64	Jun 10
4041-1CU	2x3	i3-540	3.06	4MB	6GB (2, 2, 2)	8-in-1	640GB	DVD±RW	Intel HD	11b/g/n	None	180W	Prem 64	Jun 10
4041-1DU	2x3	i3-550	3.20	4MB	4GB (2, 2)	8-in-1	1TB	DVD±RW	Intel HD	11b/g/n	None	180W	Prem 64	Aug 10
4041-1JU	2x3	i3-550	3.20	4MB	4GB (2, 2)	8-in-1	1TB	DVD±RW	Intel HD	11b/g/n	None	180W	Prem 64	Mar 11

- **Lenovo Rescue System provides OneKey recovery without booting into Windows**
- **These systems are Microsoft Office 2010 Product Key Ready (O10PKR)**

Processor	Intel® Core™ i3 Processor i3-540 or i3-550 with dual-core, Intel 64, Hyper-Threading Technology, integrated 1333MHz DDR3 memory controller, 4MB cache	Small Form Factor <ul style="list-style-type: none"> • Black bezel with glossy finish • 3.9" W X 15.7" D X 11.5" H • 100mm W X 400mm D X 293mm H • 21.5 lb (9.75 kg) vary by configuration Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.3", 0.6" high, access, 8-in-1 media reader Bay ③ 3.5", 1" high, no access, standard disk Slot 1: half-length, Low Profile, PCI Express x16 Ver 2.0 Slot 2: half-length, Low Profile, PCI Express x1 Ver 2.0* * Wireless adapter in slot in some models
Implementation	Processor in LGA1156 socket	
Memory	4GB or 6GB std, 8GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 240-pin DIMM sockets	
Graphics	Intel HD Graphics , integrated graphics in processor, uses main memory, DirectX® 10, one 15-pin analog VGA DB-15 connector, one HDMI connector, HDCP	
SATA disk	500GB, 640GB or 1TB, SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	8-in-1 media reader	
Chipset	Intel H55 Express Chipset	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15, HDMI)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Audio	High Definition (HD) audio, ALC662 codec	
External speakers	None	
Internal speaker	None	
Wireless	11b/g/n wireless ⁴ , PCIe x1 adapter	
Ethernet	Gigabit ethernet on planar, intel 82578DC	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	Full-size keyboard (PS/2 connector), Fn keys, black	
Mouse	Optical Wheel Mouse (USB connector), black	
Power supply	180 watts, universal, manual switch	
Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64	Preloaded applications⁵ <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Lenovo Dynamic Brightness System • Lenovo Eye Distance System • CyberLink Power2Go (DVD±RW) • Windows Live Essential • Microsoft® Office 2010 preloaded; purchase product key to activate 	
		Limited Warranty¹ <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686



See footnotes for important warranty information
 US models announced June 11 or August 25, 2010 or March 23, 2011
 US models withdrawn effective November 2011


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 (RD1-1) November 2011

Lenovo® H320 (4041) - Windows 7 (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Slot x bay	Pro-processor	GHz	Max turbo (GHz)	Memory ⁸	DIMM capacity	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	Modem	Power supply	Win7 preload	Avail date
4041-1EU	2x3	i3-540	3.06		4GB	(2, 2)	8-in-1	500GB ²	DVD±RW	Intel HD	None	None	180W	Prem 64	Sep 10
4041-1FU	2x3	i5-650	3.20	3.46	6GB	(2, 2, 2)	8-in-1	640GB	Blu-ray	GeForce 310	None	None	250W	Prem 64	Sep 10

- **Lenovo Rescue System provides OneKey recovery without booting into Windows**

Processor	Intel® Core™ i3 Processor i3-540 with dual-core , Intel 64, Hyper-Threading Technology, integrated 1333MHz DDR3 memory controller, 4MB cache or Intel Core i5 processor i5-650 with dual-core , intel 64, Hyper-Threading Technology, Turbo Boost Technology, TXT, integrated 1333MHz DDR3 memory controller, and 4MB cache Processor in LGA1156 socket	Small Form Factor <ul style="list-style-type: none"> • Black bezel with glossy finish • 3.9" W X 15.7" D X 11.5" H • 100mm W X 400mm D X 293mm H • 21.5 lb (9.75 kg) vary by configuration
Implementation		
Memory	4GB or 6GB std , 8GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 240-pin DIMM sockets	Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.3", 0.6" high, access, 8-in-1 media reader Bay ③ 3.5", 1" high, no access, standard disk
Graphics	<i>Some:</i> Intel HD Graphics , integrated graphics in processor, uses main memory, DirectX® 10, one 15-pin analog VGA DB-15 connector, one HDMI connector, HDCP <i>Some:</i> NVIDIA® GeForce® 310 , PCI Express® x16, 512MB , DirectX 10.1, NVIDIA PureVideo®, NVIDIA CUDA™, one analog VGA DB-15 connector, one HDMI connector, HDCP	Slot 1: half-length, Low Profile, PCI Express x16 Ver 2.0** Slot 2: half-length, Low Profile, PCI Express x1 Ver 2.0* * Wireless adapter in slot in some models ** Graphic adapter in slot in some models
SATA disk	500GB or 640GB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	
SATA optical	<i>Some:</i> Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive <i>Some:</i> Blu-ray™ Disc reader (no Blu-ray media burning), BD-ROM, DVD and CD recordable	
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	8-in-1 media reader	
Chipset	Intel H55 Express Chipset	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, HDMI)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Audio	High Definition (HD) audio, ALC662 codec	
External speakers	None	
Internal speaker	None	
Wireless	None	
Ethernet	Gigabit ethernet on planar, Intel 82578DC	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	Full-size keyboard (PS/2 connector), Fn keys, black	Limited Warranty¹ ⇨ 1-year parts and labor ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ⇨ 24x7 ¹⁴ toll-free support for warranty issues during the warranty period ¹ via 877-453-6686
Mouse	Optical Wheel Mouse (USB connector), black	
Power supply	<i>Some:</i> 180 watts, universal, manual switch <i>Some:</i> 250 watts, universal, auto-sensing	
Preloaded operating system²⁰	- Genuine Windows® 7 Home Premium 64	
Preloaded applications⁵	<ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Lenovo Dynamic Brightness System • Lenovo Eye Distance System • CyberLink Power2Go (DVD±RW) • Windows Live Essential • Microsoft® Office 2007 Trial (60-day) 	

See footnotes for important warranty information
 US models announced September 8, 2010
 US models withdrawn effective November 2011


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 (RD1-2) November 2011

Lenovo® H330 (7780) - Windows 7 - withdrawn

Personal Systems Reference (PSREF)

Type-model	Slot x bay	Pro-processor	GHz	Max turbo (GHz)	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	USB3.0	Power supply	Keyboard/ Mouse	Win7 preload	Avail date
7780-1PU	2x3	i3-2100	3.10		2GBx2	8-in-1	1.5TB ²	DVD±RW	Intel HD Graphics	11b/g/n	None	180W	PS/2 / USB	Prem 64	Jul 11
7780-1MU	2x3	G620	2.60		2GB+1	8-in-1	500GB	DVD±RW	Intel HD Graphics	11b/g/n	None	180W	PS/2 / USB	Prem 64	Jul 11
7780-1NU	2x3	G620	2.60		2GBx2	8-in-1	1TB	DVD±RW	Intel HD Graphics	11b/g/n	None	180W	PS/2 / USB	Prem 64	Jul 11
7780-4FU	2x3	G620	2.60		4GBx1	8-in-1	500GB	DVD±RW	Intel HD Graphics	11b/g/n	None	180W	PS/2 / USB	Prem 64	Dec 11
7780-3FU	2x3	i3-2120	3.30		4GBx1	8-in-1	1.5TB	DVD±RW	Intel HD Graphics	11b/g/n	None	180W	PS/2 / USB	Prem 64	Dec 11
7780-5PU	2x3	i3-2120	3.30		4GBx1	8-in-1	500GB	DVD±RW	Intel HD Graphics	11b/g/n	None	180W	USB / USB	Prem 64	Feb 12
7780-5QU	2x3	i5-2320	3.00	3.30	4+2GB	8-in-1	500GB	DVD±RW	Intel HD Graphics	11b/g/n	None	250W	USB / USB	Prem 64	Feb 12

- **Lenovo Rescue System provides OneKey recovery without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Processor	<p>Intel® Pentium® G620 Processor (2 cores / 2 threads, 2.60 GHz, 3M Cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller</p> <p>Intel Core™ i3-2100 Processor (2 cores / 4 threads, 3.10 GHz, 3M Cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Intel Core i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3M Cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Intel Core i5-2320 Processor (4 cores / 4 threads, 3.00 GHz, 6M Cache), Turbo Boost Technology 2.0 (up to 3.30 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Processor in LGA1155 socket</p>	<p>Small Form Factor</p> <ul style="list-style-type: none"> • Black bezel with glossy finish • 3.9" W X 15.7" D X 11.5" H • 100mm W X 400mm D X 293mm H • 21.5 lb (9.75 kg) vary by configuration <p>Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.3", 0.6" high, access, 8-in-1 media reader Bay ③ 3.5", 1" high, no access, standard disk</p> <p>Slot 1: half-length, Low Profile, PCI Express x16 Ver 2.0** Slot 2: half-length, Low Profile, PCI Express x1 Ver 2.0*</p> <p>* Wireless adapter in slot in some models ** Graphics adapter in slot in some models</p>
Implementation		
Memory	<p>8GB max⁸, PC3-10600 1333MHz DDR3*, non-parity, dual-channel capable, two 240-pin DIMM sockets</p> <p>* System automatically clocks down for processors with 1066MHz DDR3 memory controller</p>	
Graphics	<p>Intel HD Graphics, integrated graphics in processor, uses main memory, DirectX® 10, one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant (only for i3/i5/i7 models)</p>	
SATA disk	<p>500GB, 1TB, or 1.5TB, SATA 3.0Gb/s, 7200 rpm</p>	
SATA controller	<p>Serial ATA, SATA 3.0Gb/s, integrated in chipset</p>	
SATA optical	<p>Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive</p>	
SATA cables	<p>Two SATA cables (each 1-drop to device), two SATA connectors</p>	
EIDE controller	<p>None</p>	
EIDE cables	<p>None</p>	
Diskette drive	<p>None</p>	
Media reader	<p>8-in-1 media reader</p>	
Chipset	<p>Intel H61 Express Chipset</p>	
Front ports	<p>Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</p>	
Rear ports	<p>Four USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, HDMI)</p>	
Rear audio ports	<p>Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)</p>	
Audio	<p>High Definition (HD) audio, ALC662 codec</p>	
External speakers	<p>None</p>	
Internal speaker	<p>None</p>	
Wireless	<p>11b/g/n wireless⁴, PCIe x1 adapter</p>	
Ethernet	<p>Gigabit ethernet on planar, Intel 82579V</p>	
Modem	<p>None</p>	
Security chip	<p>None</p>	
TV tuner	<p>None</p>	
Camera	<p>None</p>	
Keyboard	<p><i>Some:</i> Full-size keyboard (PS/2 connector), Fn keys, black <i>Some:</i> Full-size keyboard (USB connector), Fn keys, black</p>	
Mouse	<p>Optical Wheel Mouse (USB connector), black</p>	
Power supply	<p><i>Some:</i> 180 watts, universal, manual switch <i>Some:</i> 250 watts, universal, auto-sensing</p>	
Preloaded operating system ²⁰	<ul style="list-style-type: none"> • Genuine Windows® 7 Home Premium 64 	
Preloaded applications ⁵	<ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Lenovo Dynamic Brightness System • Lenovo Eye Distance System • CyberLink PowerDVD (DVD±RW) • CyberLink Power2Go (DVD±RW) • Windows Live Essentials • Microsoft® Office 2010 preloaded; purchase product key to activate 	
<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x^{7,14} toll-free support for warranty issues during the warranty period¹ via 877-453-6686 		

See footnotes for important warranty information
 US model(s) announced July 6 or December 21, 2011 or February 29, 2012
 US model(s) withdrawn effective April 2013

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 (RD2-2) April 2013

Lenovo® H330 (7780) - Windows 7 (web only models) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Slot x bay	Processor	GHz	Max turbo (GHz)	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	USB3.0	Power supply	Keyboard/ Mouse	Win7 preload	Avail date
7780-1HU	2x3	i5-2500	3.30	3.70	4GBx2	8-in-1	1TB ²	Blu-ray	Radeon HD 6450	None	None	250W	PS/2 / USB	Prem 64	Jun 11
7780-1JU	2x3	i3-2120	3.30		4+2GB	8-in-1	500GB	DVD±RW	Intel HD Graphics	None	None	180W	PS/2 / USB	Prem 64	Jun 11
7780-4JU	2x3	i3-2120	3.30		4GBx1	8-in-1	1TB	DVD±RW	Intel HD Graphics	None	None	250W	USB / USB	Prem 64	Feb 12
7780-4KU	2x3	i5-2320	3.00	3.30	4GBx2	8-in-1	2TB	Blu-ray	Radeon HD 6570	None	None	250W	USB / USB	Prem 64	Feb 12
7780-4LU	2x3	i5-2320	3.00	3.30	4GBx2	8-in-1	2TB	DVD±RW	Intel HD Graphics	None	None	250W	USB / USB	Prem 64	Feb 12
7780-4MU	2x3	i7-2600	3.30	3.70	4GBx2	8-in-1	2TB	Blu-ray	Radeon HD 6570	None	None	250W	USB / USB	Prem 64	Feb 12

- **Lenovo Rescue System provides OneKey recovery without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Processor	<p>Intel® Core™ i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Intel Core i5-2320 Processor (4 cores / 4 threads, 3.00 GHz, 6M Cache), Turbo Boost Technology 2.0 (up to 3.30 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Intel Core i5-2500 Processor (4 cores / 4 threads, 3.30 GHz, 6MB Cache), Turbo Boost Technology 2.0 (up to 3.70 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Intel Core i7-2600 Processor (4 cores / 8 threads, 3.40 GHz, 8M Cache), Turbo Boost Technology 2.0 (up to 3.80 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller</p>	<p>Small Form Factor</p> <ul style="list-style-type: none"> • Black bezel with glossy finish • 3.9" W X 15.7" D X 11.5" H • 100mm W X 400mm D X 293mm H • 21.5 lb (9.75 kg) vary by configuration <p>Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.3", 0.6" high, access, 8-in-1 media reader Bay ③ 3.5", 1" high, no access, standard disk</p> <p>Slot 1: half-length, Low Profile, PCI Express x16 Ver 2.0** Slot 2: half-length, Low Profile, PCI Express x1 Ver 2.0*</p> <p>* Wireless adapter in slot in some models ** Graphics adapter in slot in some models</p>
Implementation	Processor in LGA1155 socket	
Memory	8GB max ⁸ , PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 240-pin DIMM sockets	
Graphics	<p><i>Some:</i> Intel HD Graphics, integrated graphics in processor, uses main memory, DirectX® 10, one analog VGA DB-15 connector, one HDMI connector, HDCP</p> <p><i>Some:</i> AMD Radeon™ HD 6450, PCI Express® x16, 1GB memory, DirectX 11, one analog VGA DB-15 connector, one HDMI connector, HDCP</p> <p><i>Some:</i> AMD Radeon HD 6570, PCI Express x16, 1GB memory, DirectX 11, one analog VGA DB-15 connector, one HDMI connector, HDCP</p>	
SATA disk	500GB, 1TB, or 2TB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	
SATA optical	<p><i>Some:</i> Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive</p> <p><i>Some:</i> Blu-ray™ Disc reader (no Blu-ray media burning), BD-ROM, DVD and CD recordable</p>	
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	8-in-1 media reader	
Chipset	Intel H61 Express Chipset	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, HDMI)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Audio	High Definition (HD) audio, ALC662 codec	
External speakers	None	
Internal speaker	None	
Wireless	None	
Ethernet	Gigabit ethernet on planar, Intel 82579V	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	<p><i>Some:</i> Full-size keyboard (PS/2 connector), Fn keys, black</p> <p><i>Some:</i> Full-size keyboard (USB connector), Fn keys, black</p>	
Mouse	Optical Wheel Mouse (USB connector), black	
Power supply	<p><i>Some:</i> 180 watts, universal, manual switch</p> <p><i>Some:</i> 250 watts, universal, auto-sensing</p>	
<p>Preloaded operating system²⁰</p> <p>- Genuine Windows® 7 Home Premium 64</p> <p>Preloaded applications⁵</p> <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Lenovo Dynamic Brightness System • Lenovo Eye Distance System • Cyberlink PowerDVD (DVD±RW, Blu-ray) • CyberLink Power2Go (DVD±RW, Blu-ray) • Windows Live Essentials • Microsoft® Office 2010 preloaded; purchase product key to activate 	<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686 	



See footnotes for important warranty information
 US model(s) announced June 22, 2011 or February 29, 2012
 US model(s) withdrawn effective April 2013



Lenovo C340/C440



Lenovo C340/C440



Lenovo C340/C440



Lenovo C340/C440



Lenovo C340/C440

Lenovo® C340 - Windows 8 (web only models) - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	Memory	Wide-screen display	Touch screen	Cam-era	Graphics	SATA disk	Color	TV tuner	PCIe Mini Card 802.11	Remote control	AC adapter	USB3.0	HDMI-out	Keyboard/Mouse	Win8 preload
57311576	i5-3330S	4GBx2	20.0" HD+	None	720p	HD 2500	1TB	Black	None	11b/g/n ²⁸	None	120W	USB3.0	HDMI-out	USB/Black	Win8 64
57311577	G540	4GBx1	20.0" HD+	None	720p	Intel HD	1TB	White	None	11b/g/n	None	120W	USB3.0	HDMI-out	USB/White	Win8 64
57311578	G540	4GBx1	20.0" HD+	None	720p	Intel HD	500GB	Black	None	11b/g/n	None	120W	USB3.0	HDMI-out	USB/Black	Win8 64
57311574	i3-3220	4+2GB	20.0" HD+	None	720p	HD 2500	1TB	Black	None	11b/g/n	None	120W	USB3.0	HDMI-out	USB/Black	Win8 64

- **All-In-One design with 20.0" 16:9 wide screen**
- **Stereo speakers supporting Dolby Advanced Audio V2**
- **Share media on any device from anywhere through Lenovo Cloud**
- **Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment**

Processor	<p>Intel® Celeron® G540 processor (2 cores / 2 threads, 2.50GHz, 2MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller</p> <p>Intel Core™ i3-3220 processor (2 cores / 4 threads, 3.30GHz, 3MB cache), integrated Intel HD Graphics 2500, DDR3 memory controller (up to 1600MHz)</p> <p>Intel Core i5-3330S processor (4 cores / 4 threads, 2.70GHz, 6MB cache), integrated Intel HD Graphics 2500, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz)</p>	<p>Preloaded operating system²⁰ - Windows® 8 64-bit</p> <p>Preloaded applications¹⁴ (only some listed)</p> <p>- Traditional Desktop apps</p> <ul style="list-style-type: none"> • Lenovo® Rescue System • Lenovo Cloud Storage by SugarSync • Driver and Application Installation • Lenovo Dynamic Brightness System • Lenovo Eye Distance System • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Nitro PDF • CyberLink YouCam • CyberLink PowerDVD (DVD±RW) • CyberLink Power2Go (DVD±RW) • Dolby Advanced Audio V2 • Microsoft Office preloaded; purchase product key to activate • Education Portal <p>- Windows Store apps (Metro-style)</p> <ul style="list-style-type: none"> • Lenovo Support • AccuWeather • eBay • Evernote • Amazon Kindle • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ / non-parity, PC3-12800 1600MHz DDR3* , two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	
SATA DVD±RW	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in	
SATA disk	500GB (7200 rpm) or 1TB (7200 rpm), SATA 3.0Gb/s, 3.5" wide	
Widescreen display	20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio	
Multi-touch	None	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus	
Controls	Power on/off, menu, left, right, and display on/off buttons	
Graphics	Intel HD Graphics or Intel HD Graphics 2500 , integrated graphics in processor, uses main memory	
Chipset	Intel H61 Express Chipset	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity)	
Ports	<i>Rear:</i> Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped with TV tuner, optional HDMI-out <i>Side:</i> Two USB 2.0 or optional USB 3.0	
PCIe Mini Card 11b/g/n ²⁸	Two PCIe Mini Card slots (one full size and one half size) 11b/g/n wireless ⁴ , PCIe half Mini Card, Broadcom® BCM94313, Realtek® RTL8188CE, or Atheros® AR9485	
TV tuner	None	
Bluetooth™	None	
Modem	None	
Ethernet	Gigabit ethernet on planar, Realtek RTL8111F	
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / Dolby® Advanced Audio™ v2 certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5 mm), headphone jack (3.5 mm)	120-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Security	Power-on password, administrator password, security lockhole	<p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Keyboard	<i>Some:</i> USB full-size keyboard, black <i>Some:</i> USB full-size keyboard, white	
Mouse	<i>Some:</i> USB Optical Wheel Mouse, black <i>Some:</i> USB Optical Wheel Mouse, white	
Remote control	None	
Dimensions ³	(WxHxD) including stand: 19.65" x 15.63" x 7.72"; 499.0mm x 397.0mm x 196.0mm	
Weight ²	From 13.1lb (5.94kg), vary by configuration	
Chassis	Front bezel: black color; back bezel: black color	
Stand	Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(LIFO-1) February 2013

Lenovo® C345 (Windows 8) - withdrawn

Part number	Processor	Memory	Wide-screen display	Touch screen	Camera	Graphics	SATA disk	SATA optical	Color	TV tuner	PCIe Mini Card 802.11	USB3.0	HDMI-out	Keyboard/Mouse	Win8 preload
57308750	E2-1800	4GBx1	20.0" HD+	None	720p	HD 7340	500GB	DVD±RW	Black	None	11b/g/n ²⁸	USB3.0	HDMI-out	USB/Black	Win8 64
57312396	E2-1800	4GBx1	20.0" HD+	None	720p	HD 7340	1TB	DVD±RW	Black	None	11b/g/n	USB3.0	HDMI-out	USB/Black	Win8 64

- **All-In-One design with 20.0" 16:9 wide screen**
- **Stereo speakers supporting Dolby Advanced Audio V2**
- **Share media on any device from anywhere through Lenovo Cloud**
- **Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment**

Processor	AMD Accelerated Processor E2-1800 (2 cores, 1.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, integrated DDR3 memory controller (up to 1333MHz)	Preloaded operating system²⁰ - Windows® 8 64-bit
Memory	8GB max ⁷ / non-parity, PC3-12800 1600MHz DDR3* , two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® Rescue System • Lenovo Cloud Storage by SugarSync • Driver and Application Installation • Lenovo Dynamic Brightness System • Lenovo Eye Distance System • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Nitro PDF • CyberLink YouCam • CyberLink PowerDVD (DVD±RW) • CyberLink Power2Go (DVD±RW) • Dolby Advanced Audio V2 • Microsoft Office preloaded; purchase product key to activate • Education Portal • Lenovo Support • AccuWeather • eBay • Evernote • Amazon Kindle • Rara Streaming • Lenovo Companion
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 500GB (7200 rpm) or 1TB (7200 rpm), SATA 6.0Gb/s, 3.5" wide	
Widescreen display	20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio	
Multi-touch	None	
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus	
Controls	Power on/off, menu, left, right, and display on/off buttons	
Graphics	AMD Radeon HD 7340 graphics , integrated graphics in processor, uses main memory, DirectX® 11	
Chipset	AMD A68 FCH	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity)	
Ports	<i>Rear:</i> Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped with TV tuner, optional HDMI-out <i>Side:</i> Two USB 3.0	
PCIe Mini Card 11b/g/n ²⁸	Two PCIe Mini Card slots (one full size and one half size) 11b/g/n wireless ⁴ , PCIe half Mini Card, Broadcom® BCM94313, Realtek® RTL8188CE, or Atheros® AR9485	
TV tuner	None	
Bluetooth™	None	
Modem	None	
Ethernet	Gigabit ethernet on planar, Realtek RTL8111F	
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / Dolby® Advanced Audio™ v2 certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5 mm), headphone jack (3.5 mm)	90-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Security	Power-on password, administrator password, security lockhole	Limited Warranty¹²
Keyboard	USB full-size keyboard, black	↪ 1-year parts and labor
Mouse	USB Optical Wheel Mouse, black	↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
Remote control	None	↪ Service upgrade options (in eligible locations):⁹
Dimensions ³	(WxHxD) including stand: 19.65" x 15.63" x 7.72"; 499.0mm x 397.0mm x 196.0mm	• 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552)
Weight ²	From 10.78lb (4.89kg), vary by configuration	• 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553)
Chassis	Front bezel: black or white color; back bezel: black or white color	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Stand	Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

Lenovo® C440 (Windows 8) - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	Memory	Wide-screen display	Touch screen	Cam-era	Graphics	SATA disk	Color	TV tuner	PCIe Mini Card 802.11	Remote control	AC adapter	USB3.0	HDMI-out	Keyboard/Mouse	Win8 preload
57309182	G645	4GBx1	21.5" FHD	None	720p	Intel HD	500GB ⁸	Black	None	11b/g/n ²⁸	None	120W	None	HDMI-out	USB/Black	Win8 64
57310067	G645	4GBx1	21.5" FHD	None	720p	Intel HD	1TB	Black	None	11b/g/n ²⁸	None	120W	None	HDMI-out	USB/Black	Win8 64

- **All-In-One design with 21.5" 16:9 wide screen**
- **Stereo speakers supporting Dolby Advanced Audio V2**
- **Share media on any device from anywhere through Lenovo Cloud**
- **Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment**

Processor	Intel® Pentium® G645 processor (2 cores / 2 threads, 2.90GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller	Preloaded operating system²⁰ - Windows® 8 64-bit
Memory	8GB max ⁷ / non-parity, PC3-12800 1600MHz DDR3* , two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 500GB (7200 rpm) or 1TB (7200 rpm), SATA 3.0Gb/s, 3.5" wide	<ul style="list-style-type: none"> • Lenovo® Rescue System • Lenovo Cloud Storage by SugarSync • Driver and Application Installation • Lenovo Dynamic Brightness System • Lenovo Eye Distance System • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Nitro PDF • CyberLink YouCam • CyberLink PowerDVD (DVD±RW) • CyberLink Power2Go (DVD±RW) • Microsoft Office preloaded; purchase product key to activate • Education Portal
Widescreen display	21.5" (546.1mm) Full HD (1920x1080 WUXGA) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio	- Windows Store apps (Metro-style)
Multi-touch	None	<ul style="list-style-type: none"> • Lenovo Support • AccuWeather • eBay • Evernote • Amazon Kindle • Rara Streaming • Lenovo Companion
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus	
Controls	Power on/off, menu, left, right, and display on/off buttons	
Integrated graphics	Intel HD Graphics in processor, DirectX® 10, uses main memory	
Chipset	Intel H61 Express Chipset	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity)	
Ports	<i>Rear:</i> Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped with TV tuner, optional HDMI-out <i>Side:</i> Two USB 2.0 or optional USB 3.0	
PCIe Mini Card 11b/g/n ²⁸	Two PCIe Mini Card slots (one full size and one half size) 11b/g/n wireless ⁴ , PCIe half Mini Card, Broadcom® BCM94313, Realtek® RTL8188CE, or Atheros® AR9485	
TV tuner	None	
Bluetooth™	None	
Modem	None	
Ethernet	Gigabit ethernet on planar, Realtek RTL8111F	
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / Dolby® Advanced Audio™ v2 certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5 mm), headphone jack (3.5 mm)	120-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Security	Power-on password, administrator password, security lockhole	
Keyboard	USB full-size keyboard, black	
Mouse	USB Optical Wheel Mouse, black	
Remote control	None	
Dimensions ³	(WxHxD) including stand: 20.95" x 16.02" x 7.72"; 532.0mm x 407.0mm x 196.0mm	Limited Warranty¹²
Weight ²	From 14.2lb (6.44kg), vary by configuration	↪ 1-year parts and labor
Chassis	Front bezel: black color; back bezel: black color	↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
Stand	Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)	↪ Service upgrade options (in eligible locations):⁹
		<ul style="list-style-type: none"> • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553)
		↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(HAIN1-1) December 2012

Lenovo® C540 (Windows 8) - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	Memory	Wide-screen display	Touch screen	Camera	Graphics	SATA disk	Color	TV tuner	PCIe Mini Card 802.11	Remote control	AC adapter	USB3.0	HDMI-out	Keyboard/Mouse	Win8 preload
57312695	G2020	4GBx1	23" FHD	None	720p	Intel HD	1TB ⁸	Black	None	11b/g/n ²⁸	None	120W	None	HDMI-out	USB/Black	Win8 64

- **All-In-One design with 23" 16:9 wide screen**
- **Dolby Advanced Audio v2 certified audio system with stereo speakers (3 watt x 2)**
- **Share media on any device from anywhere through Lenovo Cloud**
- **Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment**

Processor	Intel® Pentium® G2020 processor (2 cores / 2 threads, 2.90GHz, 3MB cache), integrated Intel HD Graphics, DDR3 memory controller (up to 1333MHz)	Preloaded operating system ²⁰ - Windows® 8 64-bit
Memory	8GB max ⁷ / non-parity, PC3-12800 1600MHz DDR3* , two 204-pin SO-DIMM sockets, dual-channel capable * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps
SATA DVD±RW	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in	<ul style="list-style-type: none"> • Lenovo® Rescue System • Lenovo Cloud Storage by SugarSync • Driver and Application Installation • Lenovo Dynamic Brightness System • Lenovo Eye Distance System • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Nitro PDF • CyberLink YouCam • CyberLink PowerDVD (DVD±RW) • CyberLink Power2Go (DVD±RW) • Microsoft Office preloaded; purchase product key to activate • Education Portal - Windows Store apps (Metro-style) <ul style="list-style-type: none"> • Lenovo Support • AccuWeather • eBay • Evernote • Amazon Kindle • Rara Streaming • Lenovo Companion
SATA disk	1TB (7200 rpm), SATA 6.0Gb/s, 3.5" wide	
SATA controller	Serial ATA, SATA 3.0Gb/s support, integrated in chipset	
Widescreen display	23.0" (584.2mm) Full HD (1920x1080 WUXGA) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio	
Multi-touch	None	
Camera	HD720p Camera on top of screen, fixed focus	
Controls	Power on/off, menu, left, right, and display on/off buttons	
Graphics	Intel HD Graphics in processor, DirectX® 10.1, uses main memory	
Chipset	Intel H61 Express Chipset	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity)	
Ports	<i>Rear:</i> Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped with TV tuner, optional HDMI-out <i>Side:</i> Two USB 2.0 (Two USB 3.0 on some models)	
PCIe Mini Card	Two PCIe Mini Card slots (one full size and one half size)	
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe half Mini Card, Realtek® RTL8188CE or Atheros® AR9485	
TV tuner	None	
Bluetooth™	None	
Modem	None	
Ethernet	Gigabit ethernet on planar, Realtek RTL8111F	
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / Dolby® Advanced Audio™ v2 certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, administrator password, security lockhole	120-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Keyboard	USB full-size keyboard, black	Limited Warranty¹² ⇨ 1-year parts and labor ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) ⇨ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Mouse	USB Optical Wheel Mouse, black	
Remote control	None	
Touchpad	None	
Dimensions ³	(WxHxD) including stand: 22.28" x 16.81" x 7.76"; 566mm x 427mm x 197mm	
Weight ²	From 15.9lb (7.23kg), vary by configuration	
Chassis	Front bezel: black or white color; back bezel: black or white color, matches front color	
Stand	Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(COSC1-2) March 2013

Lenovo® C540 (Windows 8) - web only models - withdrawn

Personal Systems Reference (PSREF)

Part number	Processor	Memory	Wide-screen display	Touch screen	Camera	Graphics	SATA disk	Color	TV tuner	PCIe Mini Card 802.11	Remote control	AC adapter	USB3.0	HDMI-out	Keyboard/Mouse	Win8 preload
57313093	i3-3220	4+2GB	23" FHD	None	720p	Intel HD 2500	1TB ⁸	Black	TV	11b/g/n ²⁸	Remote	120W	USB3.0	HDMI-out	USB/Black	Win8 64
57313703	i3-3220	4+2GB	23" FHD	None	720p	Intel HD 2500	1TB	Black		11b/g/n		120W	USB3.0	HDMI-out	USB/Black	Win8 64
57313699	i5-3330S	4GBx2	23" FHD	None	720p	Intel HD 2500	2TB	Black		11b/g/n		120W	USB3.0	HDMI-out	USB/Black	Win8 64

- **All-In-One design with 23" 16:9 wide screen**
- **Dolby Advanced Audio v2 certified audio system with stereo speakers (3 watt x 2)**
- **Share media on any device from anywhere through Lenovo Cloud**
- **Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment**

Processor	<p>Intel® Core™ i3-3220 processor (2 cores / 4 threads, 3.30GHz, 3MB cache), integrated Intel HD Graphics 2500, DDR3 memory controller (up to 1600MHz)</p> <p>Intel Core i5-3330S processor (4 cores / 4 threads, 2.70GHz, 6MB cache), Turbo Boost Technology 2.0 (up to 3.20 GHz), integrated Intel HD Graphics 2500, DDR3 memory controller (up to 1600MHz)</p>	<p>Preloaded operating system²⁰ - Windows® 8 64-bit</p> <p>Preloaded applications¹⁴ (only some listed)</p> <p>- Traditional Desktop apps</p> <ul style="list-style-type: none"> • Lenovo® Rescue System • Lenovo Cloud Storage by SugarSync • Driver and Application Installation • Lenovo Dynamic Brightness System • Lenovo Eye Distance System • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Nitro PDF • CyberLink YouCam • CyberLink PowerDVD (DVD±RW) • CyberLink Power2Go (DVD±RW) • Microsoft Office preloaded; purchase product key to activate • Education Portal <p>- Windows Store apps (Metro-style)</p> <ul style="list-style-type: none"> • Lenovo Support • AccuWeather • eBay • Evernote • Amazon Kindle • Rara Streaming • Lenovo Companion
Memory	8GB max ⁷ / non-parity, PC3-12800 1600MHz DDR3* , two 204-pin SO-DIMM sockets, dual-channel capable * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
SATA DVD±RW	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in	
SATA disk	1TB (7200 rpm) or 2TB (7200 rpm), SATA 6.0Gb/s, 3.5" wide	
SATA controller	Serial ATA, SATA 3.0Gb/s support, integrated in chipset	
Widescreen display	23.0" (584.2mm) Full HD (1920x1080 WUXGA) TFT color, LED backlight , 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio	
Multi-touch	None	
Camera	HD720p Camera on top of screen, fixed focus	
Controls	Power on/off, menu, left, right, and display on/off buttons	
Graphics	Intel HD Graphics 2500 in processor, DirectX® 11, uses main memory	
Chipset	Intel H61 Express Chipset	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity)	
Ports	<i>Rear:</i> Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped with TV tuner, optional HDMI-out <i>Side:</i> Two USB 2.0 (Two USB 3.0 on some models)	
PCIe Mini Card	Two PCIe Mini Card slots (one full size and one half size)	
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe half Mini Card, Realtek® RTL8188CE or Atheros® AR9485	
TV tuner	<i>Some:</i> ATSC TV tuner, PCIe Mini Card	
Bluetooth™	None	
Modem	None	
Ethernet	Gigabit ethernet on planar, Realtek RTL8111F	120-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / Dolby® Advanced Audio™ v2 certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, administrator password, security lockhole	Limited Warranty¹²
Keyboard	USB full-size keyboard, black	↪ 1-year parts and labor
Mouse	USB Optical Wheel Mouse, black	↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
Remote control	<i>Some:</i> Remote control, via IR, black	↪ Service upgrade options (in eligible locations):⁹
Touchpad	None	• 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552)
Dimensions ³	(WxHxD) including stand: 22.28" x 16.81" x 7.76"; 566mm x 427mm x 197mm	• 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553)
Weight ²	From 15.9lb (7.23kg), vary by configuration	↪ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Chassis	Front bezel: black or white color; back bezel: black or white color, matches front color	
Stand	Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo® H405 (7723) - Windows 7 - withdrawn

Type-model	Slot x bay	Processor	GHz	L2 cache	Cores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	TV tuner	Power supply	Win7 preload	Avail date
7723-1AU	4x4	Athlon II X2 255	3.10	2MB	2	2GBx1	6-in-1	500GB ²	DVD±RW	Radeon 3000	None	180W	Prem 64	Jan 11
7723-1CU	4x4	Athlon II X4 645	3.10	2MB	4	2GBx2	6-in-1	1TB	DVD±RW	Radeon 3000	None	280W	Prem 64	Jan 11
7723-1DU	4x4	Athlon II X4 645	3.10	2MB	4	2+4GB	6-in-1	1TB	DVD±RW	Radeon 3000	None	280W	Prem 64	Jan 11
7723-1EU	4x4	Athlon II X2 255	3.10	2MB	2	2GBx2	6-in-1	500GB	DVD±RW	Radeon 3000	None	180W	Prem 64	Jan 11
7723-1FU	4x4	Athlon II X2 255	3.10	2MB	2	1+2GB	6-in-1	500GB	DVD±RW	Radeon 3000	None	180W	Prem 64	Jan 11

- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Processor	<p>AMD® Athlon™ II X2 Processor 255 with dual-core, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, integrated 1066MHz DDR3 memory controller, and 2MB L2 cache (1MB per core)</p> <p>AMD Athlon II X4 Processor 645 with quad-core, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 technology, integrated 1333MHz DDR3 memory controller, and 2MB L2 cache (512kB per core)</p>	<p>Tower</p> <ul style="list-style-type: none"> • Black bezel with glossy finish • 6.9" W X 16.9" D X 14.5" H • 175mm W X 430mm D X 368mm H • 17.6 lb (8.0 kg), weight may vary by configuration <p>Bay ① 5.25", 1.6" high, access, standard optical Bay ② N/A, N/A, N/A, media reader* Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk * Only for optional 6-in-1 media reader</p> <p>Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 Slot 2: half-length, full-height, PCI Express x1 Ver 2.0 Slot 3: half-length, full-height, PCI Express x1 Ver 2.0 Slot 4: half-length, full-height, 32-bit PCI Ver 2.3</p>
Implementation	Processor in Socket AM3	
Memory	<p>2GB, 3GB, 4GB, or 6GB std, 8GB max⁹, dual-channel capable, PC3-10600 1333MHz DDR3, non-parity, two 240-pin DIMM sockets</p> <p>* System automatically clocks down for processors with 1066MHz DDR3 memory controller</p>	
Graphics	<p>ATI™ Radeon™ 3000, integrated graphics in 760G, uses main memory, DirectX® 10, ATI Avivo™, one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant</p>	
SATA disk	<p>500GB or 1TB, SATA 3.0Gb/s, 7200 rpm</p>	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in SB710	
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	6-in-1 media reader	
Chipset	<p>AMD 760G Chipset with HyperTransport 3.0 and PCI Express® 2.0 support; SB710 south bridge</p>	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, HDMI)	
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	
External speakers	None	
Internal speaker	None	
Ethernet	10/100 ethernet on planar, Realtek 8103EL	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	104-key standard keyboard (PS/2 connector), black	
Mouse	Optical Wheel Mouse (USB connector), black	
Power supply	<p><i>Some:</i> 180 watts, universal, manual switch</p> <p><i>Some:</i> 280 watts, universal, manual switch</p>	
<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications⁵</p> <ul style="list-style-type: none"> • Lenovo® Rescue System • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Windows Live™ Essential 		<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686
<ul style="list-style-type: none"> • Microsoft Office 2010 preloaded; purchase product key to activate • CyberLink Power2Go (DVD±RW) • Lenovo Dynamic Brightness System* • Lenovo Eye Distance System* <p>* Only applicable for optional Lenovo L2362p monitors</p>		




See footnotes for important warranty information
 US model(s) withdrawn effective March 2014

Lenovo® H405 (7723) - Windows 7 (July 2011) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Slot x bay	Processor	GHz	L2 cache	Cores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	TV tuner	Power supply	Win7 preload	Avail date
7723-1MU	4x4	Athlon II X2 260	3.20	2MB	2	2GBx1	6-in-1	500GB ²	DVD±RW	Radeon 3000	None	280W	Prem 64	Jul 11
7723-1NU	4x4	Athlon II X2 260	3.20	2MB	2	2GBx2	6-in-1	500GB	DVD±RW	Radeon 3000	None	280W	Prem 64	Jul 11
7723-1KU	4x4	Athlon II X4 650	3.20	2MB	4	4+2GB	6-in-1	1TB	DVD±RW	Radeon 3000	None	280W	Prem 64	Jul 11
7723-1LU	4x4	Athlon II X4 650	3.20	2MB	4	2GBx2	6-in-1	1TB	DVD±RW	Radeon 3000	None	280W	Prem 64	Jul 11
7723-2CU	4x4	Athlon II X2 260	3.20	2MB	2	2GBx2	6-in-1	1TB	DVD±RW	Radeon 3000	None	280W	Prem 64	Dec 11
7723-2DU	4x4	Athlon II X4 650	3.20	2MB	4	4+2GB	6-in-1	1.5TB	DVD±RW	Radeon 3000	None	280W	Prem 64	Dec 11

- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Processor	AMD® Athlon™ II X2 Processor 260 with dual-core , 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, integrated 1066MHz DDR3 memory controller, and 2MB L2 cache (1MB per core) AMD Athlon II X4 Processor 650 with quad-core , 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 technology, integrated 1333MHz DDR3 memory controller, and 2MB L2 cache (512KB per core) Processor in Socket AM3	Tower <ul style="list-style-type: none"> • Black bezel with glossy finish • 6.9" W X 16.9" D X 14.5" H • 175mm W X 430mm D X 368mm H • 17.6 lb (8.0 kg), weight may vary by configuration Bay ① 5.25", 1.6" high, access, standard optical Bay ② N/A, N/A, N/A, media reader* Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk * Only for optional 6-in-1 media reader
Implementation		
Memory	8GB max ⁸ , dual-channel capable, PC3-10600 1333MHz DDR3 , non-parity, two 240-pin DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 Slot 2: half-length, full-height, PCI Express x1 Ver 2.0 Slot 3: half-length, full-height, PCI Express x1 Ver 2.0 Slot 4: half-length, full-height, 32-bit PCI Ver 2.3
Graphics	ATI™ Radeon™ 3000 , integrated graphics in 760G, uses main memory, DirectX® 10, ATI Avivo™, one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant	
SATA disk	500GB, 1TB, or 1.5TB , SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in SB710	
SATA controller	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA DVD±RW	Two SATA cables (each 1-drop to device), four SATA connectors	
SATA cables	None	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	6-in-1 media reader	
Chipset	AMD 760G Chipset with HyperTransport 3.0 and PCI Express® 2.0 support; SB710 south bridge	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, HDMI)	
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	
External speakers	None	
Internal speaker	None	
Ethernet	10/100 ethernet on planar, Realtek 8103EL	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	104-key standard keyboard (PS/2 connector), black	Limited Warranty¹ ⇨ 1-year parts and labor ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm) ⇨ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ⇨ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686
Mouse	Optical Wheel Mouse (USB connector), black	
Power supply	280 watts, universal, manual switch	
Preloaded operating system ²⁰	- Genuine Windows® 7 Home Premium 64 • Microsoft Office 2010 preloaded; purchase product key to activate • CyberLink Power2Go (DVD±RW) • Lenovo Dynamic Brightness System* • Lenovo Eye Distance System* * Only applicable for optional Lenovo L2362p monitors	
Preloaded applications ⁵	• Lenovo® Rescue System • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Windows Live™ Essential	

See footnotes for important warranty information
 US model(s) withdrawn effective March 2014

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 (PGKR1-2) December 2011

Lenovo® H420 (7752) - Windows 7 - withdrawn

Personal Systems Reference (PSREF)

Type-model	Slot x bay	Processor	GHz	Cache	Cores	Memory ^a	Media reader	SATA disk	SATA optical	Graphics	TV tuner	802.11 wireless	Power supply	Keyboard / Mouse	Win7 preload
7752-1QU	4x4	Pentium G620	2.60	3MB	2	4GBx1	6-in-1	1TB ²	DVD±RW	Intel HD	None		280W	PS/2 / USB	Prem 64
7752-1RU	4x4	Pentium G620	2.60	3MB	2	4GBx1	6-in-1	500GB	DVD±RW	Intel HD	None		280W	PS/2 / USB	Prem 64
7752-1SU	4x4	i3-2100	3.10	3MB	2	4GBx1	6-in-1	1TB	DVD±RW	Intel HD	None	11b/g/n	280W	PS/2 / USB	Prem 64
7752-1TU	4x4	i3-2100	3.10	3MB	2	4+2GB	6-in-1	1TB	DVD±RW	Intel HD	None	11b/g/n	280W	PS/2 / USB	Prem 64
7752-2CU	4x4	i3-2120	3.30	3MB	2	2GBx2	6-in-1	1TB	DVD±RW	Intel HD	None	11b/g/n	280W	PS/2 / USB	Prem 64
7752-5GU	4x4	Pentium G630	2.70	3MB	2	4GBx1	6-in-1	500GB	DVD±RW	Intel HD	None		180W	USB / USB	Prem 64
7752-5HU	4x4	i3-2120	3.30	3MB	2	4+2GB	6-in-1	500GB	DVD±RW	Intel HD	None		280W	USB / USB	Prem 64

- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Processor	<p>Intel® Pentium® G620 Processor (2 cores / 2 threads, 2.60 GHz, 3MB Cache) integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller</p> <p>Intel® Pentium® G630 Processor (2 cores / 2 threads, 2.70 GHz, 3MB Cache) integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller</p> <p>Intel Core™ i3-2100 Processor (2 cores / 4 threads, 3.10 GHz, 3MB Cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Intel Core i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller</p>	<p>Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64</p> <p>Preloaded applications⁵</p> <ul style="list-style-type: none"> • Lenovo® Rescue System • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Windows Live™ Essentials • Microsoft Office 2010 preloaded; purchase product key to activate • CyberLink Power2Go (DVD±RW) • Lenovo Dynamic Brightness System* • Lenovo Eye Distance System* <p>* Only applicable for optional Lenovo L2362p monitors</p>
Implementation	Processor in LGA1155 socket	
Memory	8GB max ⁸ , dual-channel capable, PC3-10600 1333MHz DDR3* , non-parity, two 240-pin DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	
Graphics	Intel HD Graphics , integrated graphics in processor, uses main memory, DirectX®10, one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant (only for i3/i5/i7 models)	
SATA disk	500GB or 1TB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	6-in-1 media reader	
Chipset	Intel H61 Express Chipset	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, HDMI)	
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	
External speakers	None	
Internal speaker	None	
Wireless	<i>Some:</i> 11b/g/n wireless ⁴ , PCIe x1 adapter	
Ethernet	Gigabit ethernet on planar, Intel 82579LM	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	<i>Some:</i> standard keyboard (PS/2 connector), black <i>Some:</i> standard keyboard (USB connector), black	
Mouse	Optical Wheel Mouse (USB connector), black	
Power supply	<i>Some:</i> 180 watts, universal, manual switch <i>Some:</i> 280 watts, universal, manual switch	
Mechanical	<p>Tower</p> <ul style="list-style-type: none"> • Black bezel with glossy finish • 6.9" W X 16.9" D X 14.5" H • 175mm W X 430mm D X 368mm H • 17.6 lb (8.0 kg), weight may vary by configuration <p>Bay ① 5.25", 1.6" high, access, standard optical Bay ② N/A, N/A, N/A, media reader* Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk * Only for optional 6-in-1 media reader</p> <p>Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 Slot 2: half-length, full-height, PCI Express x1 Ver 2.0* Slot 3: half-length, full-height, PCI Express x1 Ver 2.0 Slot 4: half-length, full-height, PCI Express x1 Ver 2.0 * Wireless adapter in slot in some models</p>	<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686



See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(PGKR2-1) March 2012

Lenovo® H430 (2558) - withdrawn

Type-model	Slot x bay	Processor	GHz	Cache	Cores	Memory ³	Media reader	SATA disk	SATA optical	Graphics	TV tuner	802.11 wireless	Power supply	Keyboard / Mouse	Win7 preload
2558-1PU	4x4	G640	2.80	3MB	2	4GBx1	6-in-1	500GB ²	DVD±RW	Intel HD	None	None	180W	USB / USB	Prem 64
2558-1CU	4x4	i3-2120	3.30	3MB	2	4+2GB	6-in-1	1TB	DVD±RW	Intel HD 2000	None	None	280W	USB / USB	Prem 64
2558-1BU	4x4	i5-2320	3.00	6MB	4	4GBx2	6-in-1	1TB	DVD±RW	Intel HD 2000	None	None	280W	USB / USB	Prem 64

- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Processor	<p>Intel® Pentium® G640 Processor (2 cores / 2 threads, 2.80 GHz, 3MB Cache) integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller</p> <p>Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Intel Core i5-2320 Processor (4 cores / 4 threads, 3.00 GHz, 6MB Cache), integrated Intel HD Graphics 2000, Turbo Boost Technology 2.0 (up to 3.30 GHz), integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Processor in LGA1155 socket</p>	<p>Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64</p> <p>Preloaded applications⁵ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo® Rescue System • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Windows Live™ Essentials • Microsoft Office 2010 preloaded; purchase product key to activate • CyberLink Power2Go (DVD±RW)
Implementation		
Memory	<p>8GB max⁸, dual-channel capable, PC3-10600 1333MHz DDR3*, non-parity, two 240-pin DIMM sockets</p> <p>* System automatically clocks down for processors with 1066MHz DDR3 memory controller</p>	
Graphics	<p>Intel HD Graphics or Intel HD Graphics 2000, integrated graphics in processor, uses main memory, one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant (only for i3/i5/i7 models)</p>	
SATA disk	500GB or 1TB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	6-in-1 media reader	
Chipset	Intel H61 Express Chipset	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI)	
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	
External speakers	None	
Internal speaker	None	
Wireless	None	
Ethernet	Gigabit ethernet on planar, Intel 82579LM	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	Standard keyboard (USB connector), black	
Mouse	Optical Wheel Mouse (USB connector), black	
Power supply	<i>Some:</i> 180 watts, universal, manual switch <i>Some:</i> 280 watts, universal, manual switch	
Mechanical	<p>Tower</p> <ul style="list-style-type: none"> • Black bezel with glossy finish • 6.9" W X 16.9" D X 14.5" H • 175mm W X 430mm D X 368mm H • 17.6 lb (8.0 kg), weight may vary by configuration <p>Bay ① 5.25", 1.6" high, access, standard optical Bay ② N/A, N/A, N/A, media reader* Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk</p> <p>* Only for optional 6-in-1 media reader</p> <p>Slot 1: half-length, full-height, PCI Express x16 Ver 2.0** Slot 2: half-length, full-height, PCI Express x1 Ver 2.0* Slot 3: half-length, full-height, PCI Express x1 Ver 2.0* Slot 4: half-length, full-height, PCI Express x1 Ver 2.0*</p> <p>* TV tuner, USB 3.0 adapter, or wireless adapter in slot in some models ** Graphics adapter in slot in some models</p>	<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686



See footnotes for important warranty information
 US model(s) withdrawn effective March 2014

Lenovo® H430 (Windows 8) - withdrawn

Part number	Slot x bay	Processor	GHz	Cache	Cores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	TV tuner	802.11 wireless	Power supply	Keyboard / Mouse	Win8 preload
57309109	4x4	G645	2.90	3MB	2	4GBx1, 1333	6-in-1	1TB ²	DVD±RW	Intel HD	None	None	180W	USB / USB	Win8 64
57310770	4x4	i3-2130	3.40	3MB	2	4+2GB, 1333	6-in-1	1TB	DVD±RW	Intel HD 2000	None	None	280W	USB / USB	Win8 64
57311432	4x4	i5-3330	3.00	6MB	4	4GBx2, 1600	6-in-1	1TB	DVD±RW	Intel HD 2500	None	None	280W	USB / USB	Win8 64
57312387	4x4	i3-3220	3.30	3MB	2	4+2GB, 1600	6-in-1	1TB	DVD±RW	Intel HD 2500	None	None	280W	USB / USB	Win8 64
57312709	4x4	G2020	2.90	3MB	2	4GBx1, 1333	6-in-1	1TB	DVD±RW	Intel HD	None	None	180W	USB / USB	Win8 64

- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Processor	<p>Intel® Pentium® G645 Processor (2 cores / 2 threads, 2.90 GHz, 3MB Cache) integrated Intel HD Graphics, DDR3 memory controller (up to 1066MHz)</p> <p>Intel Pentium G2020 Processor (2 cores / 2 threads, 2.90 GHz, 3MB Cache) integrated Intel HD Graphics, DDR3 memory controller (up to 1333MHz)</p> <p>Intel Core™ i3-2130 Processor (2 cores / 4 threads, 3.40 GHz, 3MB Cache), integrated Intel HD Graphics 2000, DDR3 memory controller (up to 1333MHz)</p> <p>Intel Core i3-3220 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2500, DDR3 memory controller (up to 1600MHz)</p> <p>Intel Core i5-3330 Processor (4 cores / 4 threads, 3.00 GHz, 6MB Cache), integrated Intel HD Graphics 2500, Turbo Boost Technology 2.0 (up to 3.20 GHz), DDR3 memory controller (up to 1600MHz)</p> <p>Processor in LGA1155 socket</p>	<p>Preloaded operating system²⁰ - Windows® 8 64-bit</p> <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo® Rescue System • Driver and Application Installation • Lenovo Cloud Storage by SugarSync • McAfee® Internet Security (30-Day Trial) • Adobe® Reader® • Cyberlink PowerDVD (DVD±RW) • Cyberlink Power2Go (DVD±RW) • Microsoft Office preloaded; purchase product key to activate • Intel AppUp® • AccuWeather • Evernote • Kindle • Lenovo Support • Lenovo Companion
Implementation	Processor in LGA1155 socket	
Memory	8GB max ⁸ , PC3-10600 1333MHz DDR3 or PC3-12800 1600MHz DDR3* , non-parity, dual-channel capable, two 240-pin DIMM sockets * System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller	
Graphics	Intel HD Graphics, Intel HD Graphics 2000, or Intel HD Graphics 2500 , integrated graphics in processor, uses main memory, one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant (only for i3/i5/i7 models)	
SATA disk	1TB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	6-in-1 media reader	
Chipset	Intel H61 Express Chipset	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI)	
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	
External speakers	None	
Internal speaker	None	
Wireless	None	
Ethernet	Gigabit ethernet on planar, Intel 82579LM	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	Standard keyboard (USB connector), black	
Mouse	Optical Wheel Mouse (USB connector), black	
Power supply	<i>Some:</i> 180 watts, universal, manual switch <i>Some:</i> 280 watts, universal, manual switch	
Mechanical	<p>Tower</p> <ul style="list-style-type: none"> • Black bezel with glossy finish • 6.9" W X 16.9" D X 14.5" H • 175mm W X 430mm D X 368mm H • 17.6 lb (8.0 kg), weight may vary by configuration <p>Bay ① 5.25", 1.6" high, access, standard optical Bay ② N/A, N/A, N/A, media reader* Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk</p> <p>* Only for optional 6-in-1 media reader</p> <p>Slot 1: half-length, full-height, PCI Express x16 Ver 2.0** Slot 2: half-length, full-height, PCI Express x1 Ver 2.0* Slot 3: half-length, full-height, PCI Express x1 Ver 2.0* Slot 4: half-length, full-height, PCI Express x1 Ver 2.0*</p> <p>* TV tuner, USB 3.0 adapter, or wireless adapter in slot in some models ** Graphics adapter in slot in some models</p>	<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686



See footnotes for important warranty information
US model(s) withdrawn effective March 2014

Lenovo® H415 (3099) - withdrawn

Type-model	Slot x bay	Processor	GHz	Cores	Memory ^a	Media reader	SATA disk	SATA optical	Graphics	TV tuner	802.11 wireless	Power supply	Keyboard / Mouse	Win7 preload	Avail data
3099-1NU	4x4	A6-3600	2.10	4	4GBx1, 1333	6-in-1	500GB ²	DVD±RW	HD 6530D	None	None	180W	USB / USB	Prem 64	Apr 12
3099-1RU	4x4	A8-3800	2.40	4	2+4GB, 1333	6-in-1	500GB	DVD±RW	HD 6550D	None	None	280W	USB / USB	Prem 64	Apr 12
3099-1DU	4x4	E2-3200	2.40	2	4GBx1, 1333	6-in-1	500GB	DVD±RW	HD 6370D	None	None	180W	USB / USB	Prem 64	Aug 12
3099-1VU	4x4	A4-3420	2.80	2	2+4GB, 1333	6-in-1	500GB	DVD±RW	HD 6410D	None	None	180W	USB / USB	Prem 64	Aug 12
3099-1UU	4x4	A6-3620	2.20	4	2+4GB, 1600	6-in-1	1TB	DVD±RW	HD 6530D	None	None	280W	USB / USB	Prem 64	Aug 12
3099-1TU	4x4	A8-3850	2.90	4	4GBx2, 1600	6-in-1	1TB	DVD±RW	HD 6550D	None	None	280W	USB / USB	Prem 64	Aug 12

- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Processor	<p>AMD Accelerated Processor E2-3200 (dual-core, 2.40GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6370D Graphics, integrated DDR3 memory controller (up to 1600MHz)</p> <p>AMD Accelerated Processor A4-3420 (dual-core, 2.80GHz, 1MB L2 cache), integrated AMD Radeon HD 6410D Graphics, integrated DDR3 memory controller (up to 1600MHz)</p> <p>AMD Accelerated Processor A6-3600 (quad-core, 2.10GHz, 4MB L2 cache), integrated AMD Radeon HD 6530D Graphics, AMD Turbo Core technology (up to 2.40GHz), integrated DDR3 memory controller (up to 1866MHz)</p> <p>AMD Accelerated Processor A6-3620 (quad-core, 2.20GHz, 4MB L2 cache), integrated AMD Radeon HD 6530D Graphics, AMD Turbo Core technology (up to 2.50GHz), integrated DDR3 memory controller (up to 1866MHz)</p> <p>AMD Accelerated Processor A8-3800 (quad-core, 2.40GHz, 4MB L2 cache), integrated AMD Radeon HD 6550D Graphics, AMD Turbo Core technology (up to 2.70GHz), integrated DDR3 memory controller (up to 1866MHz)</p> <p>AMD Accelerated Processor A8-3850 (quad-core, 2.90GHz, 4MB L2 cache), integrated AMD Radeon HD 6550D Graphics, integrated DDR3 memory controller (up to 1866MHz)</p>	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications⁵</p> <ul style="list-style-type: none"> • Lenovo® Rescue System • Driver and Application Installation • McAfee® Internet Security (30-Day Trial) • Windows Live™ Essentials • Microsoft Office 2010 preloaded; purchase product key to activate • CyberLink Power2Go (DVD±RW) • Lenovo Dynamic Brightness System* • Lenovo Eye Distance System* <p>* Only applicable for optional Lenovo L2362p monitors</p>
Implementation	Processor in FM1 socket	
Memory	8GB max ⁸ , dual-channel capable, PC3-10600 1333MHz DDR3 or PC3-12800 1600MHz DDR3 , non-parity, two 240-pin DIMM sockets	
Graphics	AMD Radeon HD Graphics , integrated graphics in processor, uses main memory, DirectX® 11, one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant	
SATA disk	500GB or 1TB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), three SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	6-in-1 media reader	
Chipset	AMD A55 FCH	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI)	
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	
External speakers	None	
Internal speaker	None	
Wireless	None	
Ethernet	Gigabit ethernet on planar, Realtek RTL8111E	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	Full-size keyboard (USB connector), Fn keys, black	
Mouse	Optical Wheel Mouse (USB connector), black	
Power supply	<i>Some:</i> 180 watts, universal, manual switch <i>Some:</i> 280 watts, universal, manual switch	
Mechanical	<p>Tower</p> <ul style="list-style-type: none"> • Black bezel with glossy finish • 6.9" W X 16.9" D X 14.5" H • 175mm W X 430mm D X 368mm H • 17.6 lb (8.0 kg), weight may vary by configuration <p>Bay ① 5.25", 1.6" high, access, standard optical</p> <p>Bay ② N/A, N/A, N/A, media reader*</p> <p>Bay ③ 3.5", 1" high, no access, standard disk</p> <p>Bay ④ 3.5", 1" high, no access, optional disk</p> <p>* Only for optional 6-in-1 media reader</p> <p>Slot 1: half-length, full-height, PCI Express x16 Ver 2.0</p> <p>Slot 2: half-length, full-height, PCI Express x1 Ver 2.0**</p> <p>Slot 3: half-length, full-height, PCI Express x1 Ver 2.0</p> <p>Slot 4: half-length, full-height, PCI Express x1 Ver 2.0</p> <p>** Wireless adapter in slot in some models</p>	<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686




See footnotes for important warranty information
US model(s) withdrawn effective March 2014

Lenovo® H415 (Windows 8) - withdrawn

Personal Systems Reference (PSREF)

Part number	Slot x bay	Processor	GHz	Cores	Memory ^a	Media reader	SATA disk	SATA optical	Graphics	TV tuner	802.11 wireless	Power supply	Keyboard / Mouse	Win8 preload	Avail data (mm/yy)
57308795	4x4	A4-3420	2.80	2	4GBx1, 1600	6-in-1	1TB ^b	DVD±RW	HD 6410D	None	None	180W	USB / USB	Win8 64	11/12
57308959	4x4	A6-3650	2.60	4	4+2GB, 1600	6-in-1	1TB	DVD±RW	HD 6530D	None	None	280W	USB / USB	Win8 64	11/12
57308960	4x4	A8-3850	2.90	4	4GBx2, 1600	6-in-1	1TB	DVD±RW	HD 6550D	None	None	280W	USB / USB	Win8 64	11/12
57308958	4x4	A8-3850	2.90	4	4GBx2, 1600	6-in-1	2TB	DVD±RW	HD 6550D	None	None	280W	USB / USB	Win8 64	11/12

- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Processor	<p>AMD Accelerated Processor A4-3420 (dual-core, 2.80GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6410D Graphics, integrated DDR3 memory controller (up to 1600MHz)</p> <p>AMD Accelerated Processor A6-3650 (quad-core, 2.60GHz, 4MB L2 cache), integrated AMD Radeon HD 6530D Graphics, integrated DDR3 memory controller (up to 1866MHz)</p> <p>AMD Accelerated Processor A8-3850 (quad-core, 2.90GHz, 4MB L2 cache), integrated AMD Radeon HD 6550D Graphics, integrated DDR3 memory controller (up to 1866MHz)</p>	<p>Preloaded operating system²⁰ - Windows® 8 64-bit</p> <p>Preloaded applications⁵ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Driver and Application Installation • Lenovo Cloud Storage by SugarSync • McAfee® Internet Security (30-Day Trial) • Nitro PDF • Adobe® Reader® • Microsoft® Office preloaded; purchase product key to activate • Cyberlink Power2Go (DVD±RW) • CyberLink Power2Go (DVD±RW) • Exent Games Portal • Intel AppUp® • AccuWeather • Evernote • Kindle • Rara Streaming • eBay • Lenovo Support • Lenovo Companion
Implementation	Processor in FM1 socket	
Memory	8GB max ⁸ , dual-channel capable, PC3-12800 1600MHz DDR3 , non-parity, two 240-pin DIMM sockets	
Graphics	AMD Radeon HD Graphics , integrated graphics in processor, uses main memory, DirectX® 11, one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant	
SATA disk	1TB or 2TB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), three SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Media reader	6-in-1 media reader	
Chipset	AMD A55 FCH	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI)	
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	
External speakers	None	
Internal speaker	None	
Wireless	None	
Ethernet	Gigabit ethernet on planar, Realtek RTL8111E	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	Full-size keyboard (USB connector), Fn keys, black	
Mouse	Optical Wheel Mouse (USB connector), black	
Power supply	<i>Some:</i> 180 watts, universal, manual switch <i>Some:</i> 280 watts, universal, manual switch	
Mechanical	<p>Tower</p> <ul style="list-style-type: none"> • Black bezel with glossy finish • 6.9" W X 16.9" D X 14.5" H • 175mm W X 430mm D X 368mm H • 17.6 lb (8.0 kg), weight may vary by configuration <p>Bay ① 5.25", 1.6" high, access, standard optical</p> <p>Bay ② N/A, N/A, N/A, media reader*</p> <p>Bay ③ 3.5", 1" high, no access, standard disk</p> <p>Bay ④ 3.5", 1" high, no access, optional disk</p> <p>* Only for optional 6-in-1 media reader</p> <p>Slot 1: half-length, full-height, PCI Express x16 Ver 2.0</p> <p>Slot 2: half-length, full-height, PCI Express x1 Ver 2.0**</p> <p>Slot 3: half-length, full-height, PCI Express x1 Ver 2.0</p> <p>Slot 4: half-length, full-height, PCI Express x1 Ver 2.0</p> <p>** Wireless adapter in slot in some models</p>	<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(PGKR3-2) November 2012

Lenovo® H505s (Windows 8) - withdrawn

Personal Systems Reference (PSREF)

Part number	Slot x bay	Processor	GHz	Cores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	TV tuner	Power adapter	Keyboard/Mouse	Win8 preload	Avail date (mm/yy)
57308578	1x2	E2-1800	1.70	Dual	4GBx1	7-in-1	500GB ²	DVD±RW	Radeon HD 7340	None	None	65W	USB / USB	Win8 64	01/13
57312710	1x2	E2-1800	1.70	Dual	4GBx1	7-in-1	1TB	DVD±RW	Radeon HD 7340	None	None	65W	USB / USB	Win8 64	03/13

- **Lenovo Rescue System provides OneKey recovery without booting into Windows**

Processor	AMD Accelerated Processor E2-1800 (2 cores, 1.70GHz, 1MB L2 cache) , integrated AMD Radeon HD 7340 Graphics, integrated DDR3 memory controller (up to 1333MHz)	Small Form Factor (11L) <ul style="list-style-type: none"> • Glossy black and brushed metal • 4.1" L X 14.2" D X 12.0" H • 105mm W X 360mm D X 305mm H • 11.0 lb (5.0 kg) vary by configuration Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.5", 1" high, no access, standard disk Slot 1: half-length, Low Profile, PCI Express x1 Ver 2.0
Implementation	Processor in FT1 packages	
Memory	8GB max ⁸ , PC3-12800 1600MHz DDR3* , non-parity, single-channel, two 240-pin DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Graphics	AMD Radeon HD 7340 graphics , integrated in processor, uses main memory, DirectX [®] 11, one analog VGA DB-15 connector, one HDMI connector, HDCP	
SATA disk	500GB or 1TB , SATA 6.0Gb/s, 7200 rpm	
SATA optical	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Multicard reader	7-in-1 reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS pro)	
Chipset	AMD A68 FCH	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Two USB 2.0, two USB 3.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI)	
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-VD codec	
External speakers	None	
Internal speaker	None	
Wireless	None	
Ethernet	10/100M ethernet on planar, Realtek RTL8105E	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	Full-size keyboard (USB connector), Fn keys, black	
Mouse	Optical Wheel Mouse (USB connector), black	
Power supply	65 watts power adapter, ENERGY STAR [®] qualified	
Preloaded operating system²⁰ - Windows [®] 8 64-bit	<ul style="list-style-type: none"> • Cyberlink PowerDVD (DVD±RW, Blu-ray models) • CyberLink Power2Go (DVD±RW, Blu-ray models) • Exent Games Portal • Intel AppUp[®] • AccuWeather • Evernote • Kindle • Rara Streaming • eBay • Lenovo Support • Lenovo Companion 	
Preloaded applications⁵ (only some listed) <ul style="list-style-type: none"> • Lenovo[®] OneKey Recovery • Driver and Application Installation • Lenovo Cloud Storage by SugarSync • McAfee[®] Internet Security (30-Day Trial) • Nitro PDF • Adobe[®] Reader[®] • Microsoft[®] Office preloaded; purchase product key to activate 		Limited Warranty¹ ⇨ 1-year parts and labor ⇨ 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) ⇨ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ⇨ 24x7 ¹⁴ toll-free support for warranty issues during the warranty period ¹ via 877-453-6686



See footnotes for important warranty information
 US model(s) withdrawn effective March 2014


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 (CRET3-1) March 2013

Lenovo® H520s (2561) - withdrawn

Personal Systems Reference (PSREF)

Type-model	Slot x bay	Pro-processor	GHz	Max turbo (GHz)	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	USB3.0	Power supply	Keyboard/ Mouse	Win7 preload	Avail date (mm/yy)
2561-2JU	2x2	G640	2.80		4GBx1	7-in-1	500GB ²	DVD±RW	Intel HD Graphics	11b/g/n ²⁸	None	180W	USB / USB	Prem 64	08/12
2561-1SU	2x2	i3-2120	3.30		4GBx1	7-in-1	1TB	DVD±RW	Intel HD 2000	11b/g/n	None	180W	USB / USB	Prem 64	08/12
2561-1LU	2x2	i5-2320	3.00	3.30	4+2GB	7-in-1	1TB	DVD±RW	Intel HD 2000	11b/g/n	None	240W	USB / USB	Prem 64	08/12

- **Lenovo Rescue System provides OneKey recovery without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Processor	<p>Intel® Pentium® G640 Processor (2 cores / 2 threads, 2.80 GHz, 3MB Cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller</p> <p>Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Intel Core i5-2320 Processor (4 cores / 4 threads, 3.00 GHz, 6MB Cache), Turbo Boost Technology 2.0 (up to 3.30 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Processor in LGA1155 socket</p>	<p>Small Form Factor (11L)</p> <ul style="list-style-type: none"> • Glossy black and brushed metal • 4.1" L X 14.2" D X 12.0" H • 105mm W X 360mm D X 305mm H • 17.4 lb (7.9 kg) vary by configuration <p>Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.5", 1" high, no access, standard disk</p> <p>Slot 1: half-length, Low Profile, PCI Express x16 Ver 2.0* Slot 2: half-length, Low Profile, PCI Express x1 Ver 2.0**</p> <p>* Graphics adapter in slot on some models ** TV tuner or USB 3.0 card in slot on some models</p>
Implementation	Processor in LGA1155 socket	
Memory	<p>8GB max⁸, PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 240-pin DIMM sockets</p> <p>* System automatically clocks down for processors with 1066MHz DDR3 memory controller</p>	
Graphics	Intel HD Graphics or Intel HD Graphics 2000 , integrated in processor, uses main memory, one analog VGA DB-15 connector, one HDMI connector, HDCP	
SATA disk	500GB or 1TB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	
SATA optical	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Multicard reader	7-in-1 reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS pro)	
Chipset	Intel H61 Express Chipset	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Audio	High Definition (HD) audio, ALC662 codec	
External speakers	None	
Internal speaker	None	
Wireless	11b/g/n wireless ⁴ , PCIe Half Mini Card, Realtek® or Atheros® chip	
Ethernet	Gigabit ethernet on planar, Realtek RTL8111F	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	Full-size keyboard (USB connector), Fn keys, black	<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686
Mouse	Optical Wheel Mouse (USB connector), black	
Power supply	Some: 180 watts, universal, manual switch Some: 240 watts, universal, auto-sensing	
Preloaded operating system ²⁰	<ul style="list-style-type: none"> • Power Setting • Cyberlink PowerDVD (Blu-ray models) • CyberLink Power2Go (DVD±RW, Blu-ray models) • Windows Live Essentials • Microsoft® Office 2010 preloaded; purchase product key to activate 	
Preloaded applications ⁵	<ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Driver and Application Installation • McAfee® AntiVirus Plus (60 days of virus definitions) 	


See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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Lenovo® H520s (Windows 8) - withdrawn

Part number	Slot x bay	Processor	GHz	Max turbo (GHz)	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	USB3.0	Power supply	Keyboard/ Mouse	Win8 preload	Avail date (mm/yy)
57309119	2x2	G645	2.90		4GBx1	7-in-1	500GB ²	DVD±RW	Intel HD Graphics	11b/g/n ²⁸	None	180W	USB / USB	Win8 64	11/12
57311165	2x2	i3-2130	3.40		4GBx1	7-in-1	500GB	DVD±RW	Intel HD 2000		None	180W	USB / USB	Win8 64	11/12
57311128	2x2	i3-2130	3.40		4GBx1	7-in-1	1TB	DVD±RW	Intel HD 2000	11b/g/n	None	180W	USB / USB	Win8 64	11/12
57311365	2x2	i5-3330	3.00	3.20	4+2GB	7-in-1	1TB	DVD±RW	Intel HD 2500	11b/g/n	None	240W	USB / USB	Win8 64	11/12
57312711	2x2	G2020	2.90		4GBx1	7-in-1	1TB	DVD±RW	Intel HD Graphics	11b/g/n	None	180W	USB / USB	Win8 64	02/13
57312877	2x2	i3-3220	3.30		4GBx1	7-in-1	1TB	DVD±RW	Intel HD 2500	11b/g/n	None	180W	USB / USB	Win8 64	02/13

- **Lenovo Rescue System provides OneKey recovery without booting into Windows**

Processor	<p>Intel® Pentium® G645 Processor (2 cores / 2 threads, 2.90 GHz, 3MB Cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller</p> <p>Intel Pentium G2020 Processor (2 cores / 2 threads, 2.90 GHz, 3MB Cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Intel Core™ i3-2130 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Intel Core i3-3220 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller</p> <p>Intel Core i5-3330 Processor (4 cores / 4 threads, 3.00 GHz, 6MB Cache), Turbo Boost Technology 2.0 (up to 3.20 GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller</p> <p>Processor in LGA1155 socket</p>	<p>Small Form Factor (11L)</p> <ul style="list-style-type: none"> • Glossy black and brushed metal • 4.1" L X 14.2" D X 12.0" H • 105mm W X 360mm D X 305mm H • 17.4 lb (7.9 kg) vary by configuration <p>Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.5", 1" high, no access, standard disk</p> <p>Slot 1: half-length, Low Profile, PCI Express x16 Ver 2.0* Slot 2: half-length, Low Profile, PCI Express x1 Ver 2.0**</p> <p>* Graphics adapter in slot on some models ** TV tuner or USB 3.0 card in slot on some models</p>
Implementation		
Memory	8GB max ⁹ , PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 240-pin DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	
Graphics	Intel HD Graphics, Intel HD Graphics 2000, or Intel HD Graphics 2500 , integrated in processor, uses main memory, one VGA connector, one HDMI connector	
SATA disk	500GB or 1TB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	
SATA optical	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Multicard reader	7-in-1 reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS pro)	
Chipset	Intel H61 Express Chipset	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Audio	High Definition (HD) audio, ALC662 codec	
External speakers	None	
Internal speaker	None	
Wireless	<i>Some:</i> 11b/g/n wireless ⁴ , PCIe Half Mini Card, Realtek® or Atheros® chip	
Ethernet	Gigabit ethernet on planar, Realtek RTL8111F	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	Full-size keyboard (USB connector), Fn keys, black	
Mouse	Optical Wheel Mouse (USB connector), black	
Power supply	<i>Some:</i> 180 watts, universal, manual switch <i>Some:</i> 240 watts, universal, auto-sensing	
<p>Preloaded operating system²⁰ - Windows® 8 64-bit</p> <p>Preloaded applications⁵ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Driver and Application Installation • Lenovo Cloud Storage by SugarSync • McAfee® Internet Security (30-Day Trial) • Nitro PDF • Adobe® Reader® • Microsoft® Office preloaded; purchase product key to activate • Cyberlink PowerDVD (DVD±RW, Blu-ray models) • CyberLink Power2Go (DVD±RW, Blu-ray models) • Exent Games Portal • Intel AppUp® • AccuWeather • Evernote • Kindle • Rara Streaming • eBay • Lenovo Support • Lenovo Companion 		<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686


See footnotes for important warranty information
US model(s) withdrawn effective March 2014

Lenovo® H520s (2561) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model	Slot x bay	Pro-processor	GHz	Max turbo (GHz)	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	USB3.0	Power supply	Keyboard/Mouse	Win7 preload	Avail date (mm/yy)
2561-5AU	2x2	i3-2130	3.40		4+2GB	7-in-1	1TB ²	DVD±RW	Intel HD 2000	None	USB3.0	180W	2.4G / 2.4G	Prem 64	08/12

- **Lenovo Rescue System provides OneKey recovery without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

<p>Processor Intel® Core™ i3-2130 Processor (2 cores / 4 threads, 3.40 GHz, 3MB Cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Implementation Processor in LGA1155 socket</p> <p>Memory 8GB max⁸, PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 240-pin DIMM sockets</p> <p>Graphics Intel HD Graphics 2000, integrated in processor, uses main memory, one analog VGA DB-15 connector, one HDMI connector, HDCP</p> <p>SATA disk 1TB, SATA 3.0Gb/s, 7200 rpm</p> <p>SATA controller Serial ATA, SATA 3.0Gb/s, integrated in chipset</p> <p>SATA optical Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive</p> <p>SATA cables Two SATA cables (each 1-drop to device), four SATA connectors</p> <p>EIDE controller None</p> <p>EIDE cables None</p> <p>Diskette drive None</p> <p>Multicard reader 7-in-1 reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS pro)</p> <p>Chipset Intel H61 Express Chipset</p> <p>Front ports Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</p> <p>Rear ports Four USB 2.0 and two USB 3.0 (Via USB 3.0 adding card on selected models), ethernet (RJ-45), monitor (VGA DB-15, HDMI)</p> <p>Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)</p> <p>Audio High Definition (HD) audio, ALC662 codec</p> <p>External speakers None</p> <p>Internal speaker None</p> <p>Wireless None</p> <p>Ethernet Gigabit ethernet on planar, Realtek RTL8111F</p> <p>Modem None</p> <p>Security chip None</p> <p>TV tuner None</p> <p>Camera None</p> <p>Keyboard 2.4G wireless Ultra Slim keyboard, 6-row, Fn keys, black</p> <p>Mouse 2.4G wireless Laser Wheel Mouse, black</p> <p>Power supply 180 watts, universal, manual switch</p>	<p>Small Form Factor (11L)</p> <ul style="list-style-type: none"> • Glossy black and brushed metal • 4.1" L X 14.2" D X 12.0" H • 105mm W X 360mm D X 305mm H • 17.4 lb (7.9 kg) vary by configuration <p>Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.5", 1" high, no access, standard disk</p> <p>Slot 1: half-length, Low Profile, PCI Express x16 Ver 2.0* Slot 2: half-length, Low Profile, PCI Express x1 Ver 2.0**</p> <p>* Graphics adapter in slot on some models ** TV tuner or USB 3.0 card in slot on some models</p>	
<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications⁵</p> <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Driver and Application Installation • McAfee® AntiVirus Plus (60 days of virus definitions) <ul style="list-style-type: none"> • Power Setting • Cyberlink PowerDVD (Blu-ray) • CyberLink Power2Go (DVD±RW, Blu-ray) • Windows Live Essentials • Microsoft® Office 2010 preloaded; purchase product key to activate 	<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686 	

See footnotes for important warranty information
US model(s) withdrawn effective March 2014


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Lenovo® H520s (4746) - web only models - withdrawn

Personal Systems Reference (PSREF)

Type-model	Slot x bay	Pro-processor	GHz	Max turbo (GHz)	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	USB3.0	Power supply	Keyboard/ Mouse	Win7 preload	Avail date (mm/yy)
4746-1DU	2x2	i3-2120	3.30	3.90	4+2GB	7-in-1	1TB ²	DVD±RW	Radeon HD 7570	None	USB3.0	240W	2.4G / 2.4G	Prem 64	06/12
4746-1FU	2x2	i7-3770	3.40	3.90	4GBx2	7-in-1	2TB	DVD±RW	Intel HD 4000	None	USB3.0	240W	2.4G / 2.4G	Prem 64	06/12
4746-1HU	2x2	i7-3770	3.40	3.90	4GBx2	7-in-1	2TB	BD burner	GeForce GT 620	None	USB3.0	240W	2.4G / 2.4G	Prem 64	06/12
4746-1KU	2x2	i7-3770	3.40	3.90	4GBx2	7-in-1	2TB	BD burner	Radeon HD 7570	None	USB3.0	240W	2.4G / 2.4G	Prem 64	06/12
4746-1VU	2x2	i5-2320	3.00	3.30	4GBx2	7-in-1	1TB	DVD±RW	Intel HD 2000	None	USB3.0	240W	2.4G / 2.4G	Prem 64	10/12

- **Lenovo Rescue System provides OneKey recovery without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Processor	<p>Intel® Core™ i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Intel Core i5-2320 Processor (4 cores / 4 threads, 3.00 GHz, 6MB Cache), Turbo Boost Technology 2.0 (up to 3.30 GHz), integrated Intel HD Graphics 2000,</p> <p>Intel Core i7-3770 Processor (4 cores / 8 threads, 3.40 GHz, 8MB Cache), Turbo Boost Technology 2.0 (up to 3.90 GHz), integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller</p> <p>Processor in LGA1155 socket</p>	<p>Small Form Factor (11L)</p> <ul style="list-style-type: none"> • Glossy black and brushed metal • 4.1" L X 14.2" D X 12.0" H • 105mm W X 360mm D X 305mm H • 17.4 lb (7.9 kg) vary by configuration <p>Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.5", 1" high, no access, standard disk</p> <p>Slot 1: half-length, Low Profile, PCI Express x16 Ver 2.0* Slot 2: half-length, Low Profile, PCI Express x1 Ver 2.0**</p> <p>* Graphics adapter in slot on some models ** TV tuner or USB 3.0 card in slot on some models</p>
Implementation		
Memory	8GB max ⁸ , PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 240-pin DIMM sockets	
Graphics	<p><i>Some:</i> Intel HD Graphics 2000 or 4000, integrated in processor, uses main memory, one analog VGA DB-15 connector, one HDMI connector, HDCP</p> <p><i>Some:</i> NVIDIA GeForce GT 620, PCI Express® x16, 1GB DDR3, DirectX 11, one analog VGA DB-15 connector, one HDMI connector, HDCP</p> <p><i>Some:</i> AMD Radeon™ HD 7570, PCI Express x16, 2GB DDR3, DirectX 11, one analog VGA DB-15 connector, one HDMI connector, HDCP</p>	
SATA disk	1TB or 2TB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	
SATA optical	<i>Some:</i> Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive <i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Multicard reader	7-in-1 reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS pro)	
Chipset	Intel H61 Express Chipset	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0 and two USB 3.0 (Via USB 3.0 adding card on selected models), ethernet (RJ-45), monitor (VGA DB-15, HDMI)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Audio	High Definition (HD) audio, ALC662 codec	
External speakers	None	
Internal speaker	None	
Wireless	None	
Ethernet	Gigabit ethernet on planar, Realtek RTL8111F	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	2.4G wireless Ultra Slim keyboard, 6-row, Fn keys, black	
Mouse	2.4G wireless Laser Wheel Mouse, black	
Power supply	240 watts, universal, auto-sensing, 85% PSU, 80 PLUS® Bronze qualified	
Preloaded operating system ²⁰	<ul style="list-style-type: none"> • Power Setting • Cyberlink PowerDVD (Blu-ray) • CyberLink Power2Go (DVD±RW, Blu-ray) • Windows Live Essentials • Microsoft® Office 2010 preloaded; purchase product key to activate 	
- Genuine Windows® 7 Home Premium 64		
Preloaded applications ⁵		
• Lenovo® OneKey Recovery		
• Driver and Application Installation		
• McAfee® AntiVirus Plus (60 days of virus definitions)		
		<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

See footnotes for important warranty information
US model(s) withdrawn effective March 2014

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(CRET1-1) October 2012

Lenovo® H520s (Windows 8) - web only models - withdrawn

Type-model	Slot x bay	Pro-processor	GHz	Max turbo (GHz)	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	USB3.0	Power supply	Keyboard/ Mouse	Win8 preload	Avail date (mm/yy)
57310716	2x2	i3-2130	3.40		4GB	7-in-1	1TB ²	DVD±RW	Intel HD 2000	None	USB3.0	180W	USB / USB	Win8 64	12/12
57310714	2x2	i3-3220	3.30		4+2GB	7-in-1	2TB	DVD±RW	Intel HD 2500	None	USB3.0	180W	USB / USB	Win8 64	12/12
57310722	2x2	i7-3770	3.40	3.90	4GBx2	7-in-1	2TB	DVD±RW	Intel HD 4000	None	USB3.0	240W	USB / USB	Win8 64	12/12
57310721	2x2	i7-3770	3.40	3.90	4GBx2	7-in-1	2TB	BD burner	GeForce GT 630	None	USB3.0	240W	USB / USB	Win8 64	12/12
57310718	2x2	i5-3330	3.00	3.20	4GBx2	7-in-1	1TB	DVD±RW	Intel HD 2500	None	USB3.0	240W	USB / USB	Win8 64	02/13

- **Lenovo Rescue System provides OneKey recovery without booting into Windows**

Processor	<p>Intel® Core™ i3-2130 Processor (2 cores / 4 threads, 3.40 GHz, 3MB Cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Intel Core i3-3220 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller</p> <p>Intel Core i5-3330 Processor (4 cores / 4 threads, 3.00 GHz, 6M Cache), Turbo Boost Technology 2.0 (up to 3.20 GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller</p> <p>Intel Core i7-3770 Processor (4 cores / 8 threads, 3.40 GHz, 8MB Cache), Turbo Boost Technology 2.0 (up to 3.90 GHz), integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller</p> <p>Processor in LGA1155 socket</p>	<p>Small Form Factor (11L)</p> <ul style="list-style-type: none"> • Glossy black and brushed metal • 4.1" L X 14.2" D X 12.0" H • 105mm W X 360mm D X 305mm H • 17.4 lb (7.9 kg) vary by configuration <p>Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.5", 1" high, no access, standard disk</p> <p>Slot 1: half-length, Low Profile, PCI Express x16 Ver 2.0* Slot 2: half-length, Low Profile, PCI Express x1 Ver 2.0**</p> <p>* Graphics adapter in slot on some models ** TV tuner or USB 3.0 card in slot on some models</p>
Implementation		
Memory	8GB max ⁸ , PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 240-pin DIMM sockets	
Graphics	<p><i>Some:</i> Intel HD Graphics 2000, 2500, or 4000, integrated in processor, uses main memory, one analog VGA DB-15 connector, one HDMI connector, HDCP</p> <p><i>Some:</i> NVIDIA GeForce GT 630, PCI Express® x16, 2GB DDR3, DirectX® 11, one analog VGA DB-15 connector, one HDMI connector, HDCP</p>	
SATA disk	1TB or 2TB , SATA 3.0Gb/s, 7200 rpm	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	
SATA optical	<i>Some:</i> Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive <i>Some:</i> Blu-ray™ burner, Blu-ray and DVD disk recordable	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors	
EIDE controller	None	
EIDE cables	None	
Diskette drive	None	
Multicard reader	7-in-1 reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS pro)	
Chipset	Intel H61 Express Chipset	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0 and two USB 3.0 (Via USB 3.0 adding card on selected models), ethernet (RJ-45), monitor (VGA DB-15, HDMI)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Audio	High Definition (HD) audio, ALC662 codec	
External speakers	None	
Internal speaker	None	
Wireless	None	
Ethernet	Gigabit ethernet on planar, Realtek RTL8111F	
Modem	None	
Security chip	None	
TV tuner	None	
Camera	None	
Keyboard	Full-size keyboard (USB connector), Fn keys, black	
Mouse	Optical Wheel Mouse (USB connector), black	
Power supply	<i>Some:</i> 180 watts, universal, manual switch <i>Some:</i> 240 watts, universal, auto-sensing	
<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Windows® 8 64-bit <p>Preloaded applications⁵ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • Driver and Application Installation • Lenovo Cloud Storage by SugarSync • McAfee® Internet Security (30-Day Trial) • Nitro PDF • Adobe® Reader® • Microsoft® Office preloaded; purchase product key to activate • Cyberlink PowerDVD (DVD±RW, Blu-ray models) • CyberLink Power2Go (DVD±RW, Blu-ray models) • Exent Games Portal • Intel AppUp® • AccuWeather • Evernote • Kindle • Rara Streaming • eBay • Lenovo Support • Lenovo Companion 		
<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ↪ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686 		



See footnotes for important warranty information
US model(s) withdrawn effective March 2014

**Partial list of Lenovo® Care Services²²
for Lenovo Essential desktops**

For more information see:

http://www.lenovo.com/services_warranty/us/en/index.html

Lenovo Care service upgrade options

Lenovo Essential desktops with 1-year Onsite warranty

2-year Lenovo Onsite Repair warranty 9x5	78Y1552
3-year Lenovo Onsite Repair warranty 9x5	78Y1553

²³ **Customer Replacement Units (CRUs)** are designed to be replaced by customers during the applicable warranty period. Lenovo will send a technician onsite to perform a repair if remote telephone diagnosis does not isolate the problem, if customer replaceable parts are unable to resolve the problem, or at the request of the customer. For a list of customer replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges.

²⁵ **Wireless WAN Cards:** Wireless data service requires separate agreement with Verizon Wireless. Verizon Wireless, not Lenovo, is solely responsible for service. Monthly and airtime charges may apply. Service may not be available in all areas; purchaser is responsible for verifying with Verizon Wireless that service is available for the intended location before the purchase of the card. For complete details, including service plans, additional required hardware or software, and service coverage, visit www.verizonwireless.com.

²⁸ **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.



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Morrisville, NC 27560
U.S.A.

April 2013
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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 disk drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.
- ³ **Customer Replacement Units (CRUs)** are designed to be replaced by customers during the applicable warranty period. Lenovo will send a technician onsite to perform a repair if remote telephone diagnosis does not isolate the problem, if customer replaceable parts are unable to resolve the problem, or at the request of the customer. For a list of customer replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges.
- 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 **Post-warranty annual maintenance agreement:** Service begins at the end of the base warranty or the end of any other applied warranty and maintenance option, whichever occurs last. Service delivery is not available the same day the maintenance agreement is purchased. Maintenance agreements must be purchased and the registration successfully completed prior to the service being available.

⁷ **Lenovo Care Services:** 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 at your discretion, will be express shipped to you for quick replacement. See Lenovo Care terms and conditions for complete details and restrictions.

⁸ **Memory:** For PCs without a separate video card, memory supports both system and video. Accessible system memory is up to 64MB less than the amount stated, depending on video mode.

⁹ **International Warranty Service** is available for most models 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.

¹⁴ **Response times may vary.** May exclude some holidays. Telephone support may be subject to additional charges.

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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