



Personal Systems Reference Lenovo® ThinkCentre Desktops

February 2009 - Version 352



Lenovo ThinkCentre M58p Eco Ultra Small
with ThinkVision 2440x Wide monitor

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Lenovo ThinkCentre M57e Small



Lenovo ThinkCentre M57e Small



Lenovo ThinkCentre M57e Desktop



Lenovo ThinkCentre M57e Desktop with Lenovo ThinkVision monitor



Lenovo ThinkCentre M57e Tower



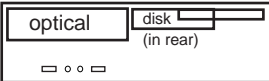
Lenovo ThinkCentre M57e Tower with dual Lenovo ThinkVision monitors

ThinkCentre® M57e Small (6305) - TopSeller

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	SATA optical	Graphics	Preload	Vista logo	Global Educ	Avail date
M57e	6305-B1U	2x3	Pentium E2200	2.20	1MB	Dual	1GB	160GB ²	DVD	GMA	XP Pro		None	Jun 08
M57e	6305-B2U	2x3	Pentium E2200	2.20	1MB	Dual	2GB	160GB	DVD±RW	GMA	XP Pro		None	Jun 08
M57e	6305-B4U	2x3	Core 2 Duo E7200	2.53	3MB	Dual	1GB	160GB	DVD	GMA	XP Pro		None	Jun 08
M57e	6305-B3U	2x3	Core 2 Duo E7200	2.53	3MB	Dual	2GB	160GB	DVD±RW	GMA	XP Pro		None	Jun 08
M57e	6305-B5U	2x3	Core 2 Duo E8400	3.00	6MB	Dual	2GB	160GB	DVD±RW	GMA	XP Pro		None	Jun 08
M57e	6305-B6U	2x3	Core 2 Quad Q6600	2.40	8MB	Quad	2GB	160GB	DVD±RW	GMA	XP Pro		None	Jun 08
M57e	6305-B7U	2x3	Pentium E2200	2.20	1MB	Dual	1GB	160GB	DVD	GMA	Business32	Premium	None	Sep 08
M57e	6305-B8U	2x3	Pentium E2200	2.20	1MB	Dual	2GB	160GB	DVD±RW	GMA	Business32	Premium	None	Sep 08
M57e	6305-B9U	2x3	Core 2 Quad Q6600	2.40	8MB	Quad	2GB	160GB	DVD±RW	GMA	Business32	Premium	None	Sep 08

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a 3-year limited warranty¹

Positioning Processor	<p><i>Stability and manageability for small and medium businesses</i></p> <p>Intel® Pentium® Dual-Core Processor E2200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo Processor E7200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 3MB L2 cache or Intel Core 2 Duo Processor E8400 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, 1333MHz system bus, and 6MB 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 8MB L2 cache</p> <p>Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket</p>	<p>Small</p>  <p>Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette)</p> <p>Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, 32-bit PCI 2.3</p> <ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.1 lb (7.3 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation 																								
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket																									
Memory	<p>1GB or 2GB std., 4GB max⁸, PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets;</p> <p><i>Italics:</i> standard memory in both sockets; no sockets avail; <i>Non-italics:</i> standard memory in one socket; one socket available</p>																									
Graphics	<p>Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter</p>	<p>Security</p> <ul style="list-style-type: none"> • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement 																								
SATA disk	<p>160GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts</p>																									
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7																									
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)																									
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)																									
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors on planar																									
eSATA port	None																									
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar																									
Diskette drive	None																									
Media reader	None																									
Chipset	<p>Intel G31 Express Chipset; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express[®] x1, PCI 2.3, USB, LPC bus / ITE Tech[®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions</p>																									
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Supports ThinkVantage® technologies																								
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)	RoHS-compliant																								
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)																									
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)																									
Audio	High Definition (HD) Audio, Realtek® ALC662 codec																									
Speaker	One internal speaker for business audio																									
Ethernet	Gigabit ethernet on planar, Marvell® 88E8056, PCIe x1, Wake on LAN®																									
Intel AMT	None																									
Modem	None																									
Security chip	None																									
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo																									
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo																									
Power supply	280 watts with variable speed fan, autosensing																									
Preloaded operating system²⁰	<p>- <i>Some:</i> Microsoft® Windows® XP Professional with Vista® COA</p> <p>- <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit)</p>	<p>Accessories</p> <table border="0"> <tr> <td>1GB PC2-5300 CL5 NP DDR2 UDIMM</td> <td>73P4984</td> </tr> <tr> <td>2GB PC2-5300 CL5 NP DDR2 UDIMM</td> <td>73P4985</td> </tr> <tr> <td>1GB PC2-6400 NP DDR2 UDIMM</td> <td>41U2977</td> </tr> <tr> <td>2GB PC2-6400 NP DDR2 UDIMM</td> <td>41U2978</td> </tr> <tr> <td>USB 2.0 Lenovo Multimedia Headset</td> <td>40Y8518</td> </tr> <tr> <td>ThinkVision® L2440p Wide 24" Monitor</td> <td>4420HB2</td> </tr> <tr> <td>Wireless Kbd & Opt Wheel Mouse (via USB)</td> <td>73P4067</td> </tr> <tr> <td>Kensington Cable Lock from Lenovo</td> <td>73P2582</td> </tr> <tr> <td>ADD2 DVI-I PCIe Connection Adapter</td> <td>73P2516</td> </tr> <tr> <td>ADD2 DVI-D Monitor Connection (HDCP)</td> <td>43R1985</td> </tr> <tr> <td>ATI™ Radeon™ HD 2400 Pro 128MB</td> <td>43R1961</td> </tr> <tr> <td>ATI Radeon HD 2400 XT 256MB</td> <td>43R1962</td> </tr> </table> <p>Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories</p>	1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984	2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985	1GB PC2-6400 NP DDR2 UDIMM	41U2977	2GB PC2-6400 NP DDR2 UDIMM	41U2978	USB 2.0 Lenovo Multimedia Headset	40Y8518	ThinkVision® L2440p Wide 24" Monitor	4420HB2	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	Kensington Cable Lock from Lenovo	73P2582	ADD2 DVI-I PCIe Connection Adapter	73P2516	ADD2 DVI-D Monitor Connection (HDCP)	43R1985	ATI™ Radeon™ HD 2400 Pro 128MB	43R1961	ATI Radeon HD 2400 XT 256MB	43R1962
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ADD2 DVI-I PCIe Connection Adapter	73P2516																									
ADD2 DVI-D Monitor Connection (HDCP)	43R1985																									
ATI™ Radeon™ HD 2400 Pro 128MB	43R1961																									
ATI Radeon HD 2400 XT 256MB	43R1962																									
Preloaded applications⁵ (all OSes; only some listed)	<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • Norton Internet Security™ • Diskkeeper® Home • Microsoft Office 2007 Trial (60-day) • Corel® WinDVD® (DVD, DVD±RW) 	<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 																								

See footnotes for important warranty information

¹⁸ US models announced August 19, 2008; previous models on June 24, 2008

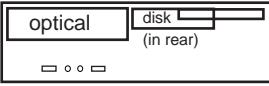
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ThinkCentre® M57e Small (6305) - TopSeller (October 2008)

Personal Systems Reference (PSREF)

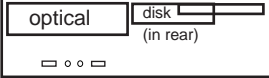
Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Preload	Vista logo	Global Educ	Avail date
M57e	6305-BBU	2x3	Pentium E5200	2.50	2MB	2	1GB	160GB ²	DVD	GMA	XP Pro	Premium	None	Nov 08
M57e	6305-BCU	2x3	Pentium E5200	2.50	2MB	2	2GB	160GB	DVD±RW	GMA	XP Pro	Premium	None	Nov 08
M57e	6305-BEU	2x3	Core 2 Duo E7300	2.66	3MB	2	1GB	160GB	DVD	GMA	XP Pro	Premium	None	Nov 08
M57e	6305-BDU	2x3	Core 2 Duo E7300	2.66	3MB	2	2GB	160GB	DVD±RW	GMA	XP Pro	Premium	None	Nov 08

- **These small and medium business (SMB) models are part of the US TopSeller™ Program**
- **These models have a 3-year limited warranty¹**

Positioning Processor	Stability and manageability for small and medium businesses Intel® Pentium® Dual-Core Processor E5200 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7300 with dual-core, 1066MHz system bus, and 3MB L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket	Small	 <p>optical disk (in rear)</p>
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket		
Memory	1GB or 2GB std, 4GB max⁸, PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets; Non-italics: standard memory in one socket; one socket available	Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette)	
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter	Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, 32-bit PCI 2.3	<ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.1 lb (7.3 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation
SATA disk	160GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	Security <ul style="list-style-type: none"> • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement Supports ThinkVantage® technologies RoHS-compliant	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7		
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)		
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors		
eSATA port	None		
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector		
Diskette drive	None		
Media reader	None		
Chipset	Intel G31 Express Chipset; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express® x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O for serial, parallel, keyboard, mouse functions		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)		
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Marvell® 88E8056, PCIe x1, Wake on LAN®		
Intel AMT	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo		
Power supply	280 watts with variable speed fan, autosenesing		
Preloaded operating system²⁰	Accessories	Limited Warranty¹ <ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	
- Microsoft® Windows® XP Professional with Vista® COA	1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984		
↕ Disk-to-Disk Recovery (in hidden protected area)	2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985		
Preloaded applications⁵	1GB PC2-6400 NP DDR2 UDIMM 41U2977		
• Rescue and Recovery™	2GB PC2-6400 NP DDR2 UDIMM 41U2978		
• Client Security Solution™	250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015		
• ThinkVantage Productivity Center	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990		
• ThinkVantage System Update	USB Portable Diskette Drive 05K9276		
• System Migration Assistant	USB 2.0 Lenovo Multimedia Headset 40Y8518		
• Norton Internet Security™ (90 days of virus definitions)	USB 2.0 Lenovo Webcam 40Y8519		
• Diskkeeper® Home	USB 2.0 Essential Memory Key 32GB 45K1258		
• PC-Doctor™ (diagnostics)	USB 2.0 Ultra Secure Memory Key 4GB 45J5917		
• Adobe® Reader	USB 2.0 Ultra Secure Memory Key 8GB 45J5918		
• Windows Live™ Toolbar	USB 2.0 Portable Secure 320GB Hard Disk 43R2019		
• Windows Live Search	ThinkVision® L1940p Wide 19" Monitor 4424HB6		
• Picasa from Google	ThinkVision L2240p Wide 22" Monitor 4422HB6		
• Microsoft Office 2007 Trial (60-day)	ThinkVision L2440p Wide 24" Monitor 4420HB2		
• Multimedia Center for Think Offerings (DVD, DVD±RW)	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067		
• Sonic RecordNow and Drive Letter Access (DVD±RW)	Laser Tilt Wheel Mouse (USB, PS/2) 41U3074		
• Corel® WinDVD® (DVD, DVD±RW)	Kensington Cable Lock from Lenovo 73P2582		
• Corel WinDVD Creator (DVD±RW)	ADD2 DVI-I PCIe Connection Adapter 73P2516		
	ATI™ Radeon™ HD 2400 Pro 128MB 43R1985		
	ATI Radeon HD 2400 XT 256MB 43R1961		
	ATI Radeon HD 2400 XT 256MB 43R1962		
	Acc Guide in pdf lenovo.com/accessoriesguide		
	Other accessories at lenovo.com/accessories		

See footnotes for important warranty information
 US models announced October 21, 2008

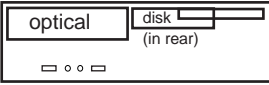
Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	SATA optical	Graphics	Preload	Limited warranty ¹	Global Educ	Avail date
Ⓜ	M57e	9482-BGU	2x3	Pentium E2160	1.80	1MB	Dual	1GB	160GB ²	DVD	GMA	XP Pro	3-yr	Mar 08
Ⓜ	M57e	9482-BHU	2x3	Pentium E2160	1.80	1MB	Dual	1GB	160GB	Combo	GMA	XP Pro	3-yr	Mar 08
Ⓜ	M57e	9482-BKU	2x3	Core 2 Duo E4500	2.20	2MB	Dual	1GB	160GB	DVD	GMA	XP Pro	3-yr	Mar 08
Ⓜ	M57e	9482-BJU	2x3	Core 2 Duo E4500	2.20	2MB	Dual	1GB	160GB	Combo	GMA	XP Pro	3-yr	Mar 08
Ⓜ	M57e	9482-BLU	2x3	Core 2 Duo E4500	2.20	2MB	Dual	1GB	160GB	Combo	GMA	XP Pro	3-yr	Mar 08
Ⓜ	M57e	9482-BMU	2x3	Core 2 Duo E4500	2.20	2MB	Dual	1GB	160GB	Combo	GMA	XP Pro	3-yr	HE Mar 08
Ⓜ	M57e	9482-BPU	2x3	Core 2 Duo E6550	2.33	4MB	Dual	1GB	160GB	DVD	GMA	XP Pro	3-yr	Mar 08
Ⓜ	M57e	9482-BNU	2x3	Core 2 Duo E6550	2.33	4MB	Dual	1GB	160GB	Combo	GMA	XP Pro	3-yr	Mar 08
Ⓜ	M57e	9482-DAU	2x3	Core 2 Duo E8200	2.66	6MB	Dual	1GB	160GB	Combo	GMA	XP Pro	3-yr	Mar 08

Positioning	Mainstream enterprise stability and manageability	
Processor	Intel® Pentium® Dual-Core Processor 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 E4500 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache or Intel Core 2 Duo Processor E6550 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, 1333MHz system bus, and 4MB shared L2 cache or Intel Core 2 Duo Processor E8200 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket	Small  Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette)
Implementation	Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, 32-bit PCI 2.3 <ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.1 lb (7.3 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation 	
Memory	1GB std, 4GB max⁸, PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available	
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter	
SATA disk	160GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts Serial ATA, SATA 3.0Gb/s, integrated in ICH7 <i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618) <i>Some:</i> CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), two SATA connectors on planar	
SATA DVD	None	
SATA Combo	None	
SATA cables	None	
eSATA port	None	
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar	
Diskette drive	None	
Media reader	None	
Chipset	Intel G31 Express Chipset; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express [®] x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)	
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec	
Speaker	One internal speaker for business audio	
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]	
Intel AMT	None	
Modem	None	
Security chip	None	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo [®] logo	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo	
Power supply	280 watts with variable speed fan, autosenesing	

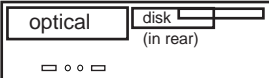
Preloaded operating system²⁰ - Microsoft [®] Windows [®] XP Professional with Vista [®] COA ⚡ Disk-to-Disk Recovery (in hidden protected area)	Accessories 1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 ThinkVision [®] L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Kensington Cable Lock from Lenovo 73P2582 ADD2 DVI-I PCIe Connection Adapter 73P2516 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI [™] Radeon [™] HD 2400 Pro 128MB 43R1961 ATI Radeon HD 2400 XT 256MB 43R1962 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories
Preloaded applications⁵ (only some listed) • <i>Some (K12):</i> K-12 education software - VitalSource Library School Edition - Adobe [®] Instructor Resource Center - Adobe Digital School Collection - Photoshop Elements 5 (and CD) - Premier Elements 3 (and DVD) - Acrobat 8 Professional (and CD) - Contribute 4 (and CD) • <i>Some (HE):</i> Higher education software - VitalSource Library College Edition - Adobe Instructor Resource Center - Adobe Photoshop Elements 5 (and CD) - Adobe Premier Elements 3 (and DVD) • Rescue and Recovery [™]	Security <ul style="list-style-type: none"> • Security slot (in rear for attachment of optional Kensington[®] Microsaver[®] cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement
Supports ThinkVantage [®] technologies	
RoHS-compliant	
Limited Warranty¹ ⇨ 3-year parts and labor ⇨ International Warranty Service ⁹ ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Onsite service upgrade options (in eligible locations): ⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus[™] part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇨ ThinkPlus services at lenovo.com/thinkplus/warranty ⇨ Post warranty maintenance services available ⇨ 24 hour x 7 day ¹⁴ toll-free support during the warranty period ¹ via 800-426-7378	

See footnotes for important warranty information
 Ⓜ US models announced March 18, 2008; previous models on February 26, 2008
 Ⓜ US models withdrawn effective September 2008 or January 2009

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	SATA optical	Graphics	Preload	Limited warranty ¹	Global Educ	Avail date
M57e	9482-HJU	2x3	Pentium E2180	2.00	1MB	Dual	1GB	160GB ²	DVD	GMA	XP Pro	3-yr	None	Sep 08
M57e	9482-HKU	2x3	Pentium E2200	2.20	1MB	Dual	1GB	160GB	DVD	GMA	XP Pro	3-yr	None	Sep 08
M57e	9482-HLU	2x3	Pentium E2200	2.20	1MB	Dual	2GB	160GB	DVD±RW	GMA	XP Pro	3-yr	None	Sep 08
M57e	9482-HHU	2x3	Core 2 Duo E7200	2.53	3MB	Dual	2GB	160GB	DVD	GMA	XP Pro	3-yr	None	Sep 08
M57e	9482-HFU	2x3	Core 2 Duo E7300	2.66	3MB	Dual	1GB	160GB	DVD±RW	GMA+ADD2	XP Pro	3-yr	None	Sep 08
M57e	9482-HGU	2x3	Core 2 Duo E7300	2.66	3MB	Dual	2GB	160GB	DVD	GMA	XP Pro	3-yr	None	Sep 08

Positioning Processor	<i>Mainstream enterprise stability and manageability</i> Intel® Pentium® Dual-Core Processor E2180 or E2200 with dual-core , Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo Processor E7200 or E7300 with dual-core , Intel 64 Technology, Execute Disable Bit, EIST, and 1066MHz system bus with 3MB L2 cache	Small	
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket	Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette)	
Memory	1GB or 2GB std , 4GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available	Slot 1: Low Profile, PCI Express x16 (35w max)* Slot 2: Low Profile, 32-bit PCI 2.3 * used in some models	
Graphics	<i>All:</i> Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector <i>Some:</i> ADD2 DVI-D Monitor Connection (HDCP) , PCI Express® adapter in PCIe x16 slot, provides DVI-D connector to support second monitor, HDCP-compliant	<ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.1 lb (7.3 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation 	
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7		
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)		
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors		
eSATA port	None		
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar		
Diskette drive	None		
Media reader	None		
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O for serial, parallel, keyboard, mouse functions		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D in some models)		
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Marvell® 88E8056, PCIe x1, Wake on LAN®		
Intel AMT	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo		
Power supply	280 watts with variable speed fan, autosenesing		
			Security
			<ul style="list-style-type: none"> • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement
			Supports ThinkVantage® technologies
			RoHS-compliant
			Limited Warranty¹
			<ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
Preloaded operating system²⁰		Accessories	
- Microsoft® Windows® XP Professional with Vista® COA	1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984	
↕ Disk-to-Disk Recovery (in hidden protected area)	2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985	
Preloaded applications⁵	1GB PC2-6400 NP DDR2 UDIMM	41U2977	
• Rescue and Recovery™	2GB PC2-6400 NP DDR2 UDIMM	41U2978	
• Client Security Solution™	250GB SATA 3.0Gb/s Disk (7200 rpm)	41N3015	
• ThinkVantage Productivity Center	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	
• ThinkVantage System Update	USB Portable Diskette Drive	05K9276	
• System Migration Assistant	USB 2.0 Lenovo Multimedia Headset	40Y8518	
• Norton Internet Security™ (90 days of virus definitions)	USB 2.0 Lenovo Webcam	40Y8519	
• Diskeeper® Home	USB 2.0 Essential Memory Key 32GB	45K1258	
• PC-Doctor™ (diagnostics)	USB 2.0 Ultra Secure Memory Key 2GB	45J5916	
• Adobe® Reader	USB 2.0 Ultra Secure Memory Key 4GB	45J5917	
• Windows Live™ Toolbar	USB 2.0 Ultra Secure Memory Key 8GB	45J5918	
• Windows Live Search	USB 2.0 Portable Secure 320GB Hard Disk	43R2019	
• Picasa from Google	ThinkVision® L2240p Wide 22" Monitor	4422HB6	
• Microsoft Office 2007 Trial (60-day)	ThinkVision L2440p Wide 24" Monitor	4420HB2	
• Multimedia Center for Think Offerings (DVD, DVD±RW)	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	
• Sonic RecordNow and Drive Letter Access (DVD±RW)	Laser Tilt Wheel Mouse (USB, PS/2)	41U3074	
• Corel® WinDVD® (DVD, DVD±RW)	Kensington Cable Lock from Lenovo	73P2582	
• Corel WinDVD Creator (DVD±RW)	ADD2 DVI-I PCIe Connection Adapter	73P2516	
	ADD2 DVI-D Monitor Connection (HDCP)	43R1985	
	ATI™ Radeon™ HD 2400 Pro 128MB	43R1961	
	ATI Radeon HD 2400 XT 256MB	43R1962	
	Acc Guide in pdf lenovo.com/accessoriesguide		
	Other accessories at lenovo.com/accessories		

See footnotes for important warranty information
US models announced August 19, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	SATA optical	Graphics	Vista preload	Limited warranty ¹	Global Educ	Avail date
M57e	9482-AUU	2x3	Celeron 420	1.60	512KB	Single	1GB	160GB ²	DVD	GMA	Bus32	3-yr	None	Mar 08
M57e	9482-AAU	2x3	Celeron 430	1.80	512KB	Single	1GB	80GB	DVD	GMA	Bus32	3-yr	None	Mar 08
M57e	9482-ABU	2x3	Pentium E2160	1.80	1MB	Dual	1GB	80GB	DVD	GMA	Bus32	3-yr	None	Mar 08
M57e	9482-ACU	2x3	Pentium E2160	1.80	1MB	Dual	1GB	80GB	Combo	GMA	Bus32	3-yr	None	Mar 08
M57e	9482-AVU	2x3	Pentium E2160	1.80	1MB	Dual	1GB	160GB	DVD	GMA	Bus32	3-yr	None	Mar 08
M57e	9482-AWU	2x3	Pentium E2160	1.80	1MB	Dual	1GB	160GB	Combo	GMA	Bus32	3-yr	None	Mar 08
M57e	9482-ADU	2x3	Core 2 Duo E4500	2.20	2MB	Dual	1GB	80GB	DVD	GMA	Bus32	3-yr	None	Mar 08
M57e	9482-AEU	2x3	Core 2 Duo E4500	2.20	2MB	Dual	1GB	80GB	Combo	GMA	Bus32	3-yr	None	Mar 08
M57e	9482-B1U	2x3	Core 2 Duo E4500	2.20	2MB	Dual	1GB	160GB	DVD	GMA	Bus32	3-yr	None	Mar 08
M57e	9482-B2U	2x3	Core 2 Duo E4500	2.20	2MB	Dual	1GB	160GB	Combo	GMA	Bus32	3-yr	None	Mar 08
M57e	9482-AFU	2x3	Core 2 Duo E6550	2.33	4MB	Dual	1GB	80GB	Combo	GMA	Bus32	3-yr	None	Mar 08
M57e	9482-AGU	2x3	Core 2 Duo E6550	2.33	4MB	Dual	1GB	80GB	DVD±RW	GMA	Bus32	3-yr	None	Mar 08
M57e	9482-B6U	2x3	Core 2 Duo E6550	2.33	4MB	Dual	1GB	160GB	DVD	GMA	Bus32	3-yr	None	Mar 08
M57e	9482-B5U	2x3	Core 2 Duo E6550	2.33	4MB	Dual	1GB	160GB	Combo	GMA	Bus32	3-yr	None	Mar 08
Positioning	Mainstream enterprise stability and manageability								Small					
Processor	Intel® Celeron® Processor 420 or 430 with single-core, Intel 64 Technology, EDBit, 800MHz bus, and 512KB L2 cache or Intel Pentium® Dual-Core Processor 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 E4500 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB 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 Processor in FC-LGA6 package in LGA775 socket								Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette)		Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, 32-bit PCI 2.3			
Implementation	Processor in FC-LGA6 package in LGA775 socket								<ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.1 lb (7.3 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation 		Security <ul style="list-style-type: none"> • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement 			
Memory	1GB std, 4GB max⁸, PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available								Supports ThinkVantage® technologies		RoHS-compliant			
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter								Limited Warranty¹ <ul style="list-style-type: none"> ↪ 3-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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ 					
SATA disk	80GB or 160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening								Security <ul style="list-style-type: none"> • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement 		Limited Warranty¹ <ul style="list-style-type: none"> ↪ 3-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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ 			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7													
SATA DVD	Some: DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)													
SATA Combo	Some: CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive													
SATA DVD±RW	Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)													
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors on planar													
eSATA port	None													
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar													
Diskette drive	None													
Media reader	None													
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express [®] x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O for serial, parallel, keyboard, mouse functions													
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)													
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)													
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)													
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)													
Audio	High Definition (HD) Audio, Realtek® ALC662 codec													
Speaker	One internal speaker for business audio													
Ethernet	Gigabit ethernet on planar, Marvell® 88E8056, PCIe x1, Wake on LAN®													
Intel AMT	None													
Modem	None													
Security chip	None													
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo													
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo													
Power supply	280 watts with variable speed fan, autosenesing													
Preloaded operating system²⁰	Accessories													
- Microsoft® Windows® Vista Business Edition (32-bit)	1GB PC2-5300 CL5 NP DDR2 UDIMM								73P4984					
↪ Vista Basic logo	2GB PC2-5300 CL5 NP DDR2 UDIMM								73P4985					
Preloaded applications⁵ (only some listed)	1GB PC2-6400 NP DDR2 UDIMM								41U2977					
• Rescue and Recovery™	2GB PC2-6400 NP DDR2 UDIMM								41U2978					
• Client Security Solution™	500GB SATA 3.0Gb/s Disk (7200 rpm)								43R1990					
• ThinkVantage Productivity Center	USB 2.0 Lenovo Multimedia Headset								40Y8518					
• ThinkVantage System Update	ThinkVision® L2440p Wide 24" Monitor								4420HB2					
• Norton Internet Security™	Wireless Kbd & Opt Wheel Mouse (via USB)								73P4067					
• Diskeeper® Home	Kensington Cable Lock from Lenovo								73P2582					
• Microsoft Office 2007 Trial (60-day)	ADD2 DVI-I PCIe Connection Adapter								73P2516					
• Sonic RecordNow and Drive Letter Access (combo, DVD±RW)	ADD2 DVI-D Monitor Connection (HDCP)								43R1985					
• Corel® WinDVD® (combo, DVD, DVD±RW)	ATI™ Radeon™ HD 2400 Pro 128MB								43R1961					
	ATI Radeon HD 2400 XT 256MB								43R1962					
	Other accessories at lenovo.com/accessories													

See footnotes for important warranty information
 US models announced February 19, 2008

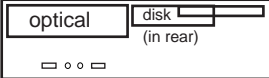
↪ US models withdrawn effective September 2008 or January 2009

ThinkCentre® M57e Small (9482) - Vista® (March 2008)

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	SATA optical	Graphics	Floor stand	Vista preload	Vista logo	Global Educ	Avail date
Ⓜ	M57e 9482-B8U	2x3	Pentium E2180	2.00	1MB	Dual	1GB	160GB ²	DVD±RW	GMA	Stand	Bus32	Basic		Sep 08
	M57e 9482-E9U	2x3	Pentium E2200	2.20	1MB	Dual	1GB	160GB	Combo	GMA	Stand	Bus32	Basic	Gbl	Mar 08
Ⓜ	M57e 9482-FLU	2x3	Core 2 Duo E4500	2.20	2MB	Dual	1GB	160GB	Combo	GMA	Stand	Bus32	Basic	Educ	Apr 08
	M57e 9482-FAU	2x3	Core 2 Duo E4600	2.40	2MB	Dual	1GB	160GB	Combo	GMA+ADD2		Bus32	Basic	Gbl	Mar 08
	M57e 9482-DBU	2x3	Core 2 Duo E8200	2.66	6MB	Dual	1GB	160GB	Combo	GMA	Stand	Bus32	Basic		Mar 08
	M57e 9482-FBU	2x3	Core 2 Duo E8400	3.00	6MB	Dual	2GB	250GB	DVD±RW	GMA+ADD2		Bus32	Prem	Gbl	Mar 08

• **These models have a 3-year limited warranty¹**

Positioning Processor	<p><i>Mainstream enterprise stability and manageability</i></p> <p>Intel® Pentium® Dual-Core Processor E2180 or E2200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E4500 or E4600 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache or Intel Core 2 Duo Processor E8200 or E8400 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket</p>		<p>Small</p> 
Implementation	<p>Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket</p>		<p>Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette)</p> <p>Slot 1: Low Profile, PCI Express x16 (35w max)* Slot 2: Low Profile, 32-bit PCI 2.3</p> <p>* used in some models</p>
Memory	<p>1GB or 2GB std, 4GB max⁸, PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets avail; <i>Non-italics:</i> standard memory in one socket; one socket available</p>		<ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.1 lb (7.3 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • <i>Some:</i> system floor stand for vertical orientation
Graphics	<p><i>All:</i> Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector</p> <p><i>Some:</i> ADD2 DVI-I PCIe Connection Adapter, PCI Express[®] adapter in PCIe x16 slot, provides DVI-I connector to support second monitor, no DVI-to-VGA dongle</p>		<p>Security</p> <ul style="list-style-type: none"> • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement
SATA disk	<p>160GB or 250GB, SATA 3.0Gb/s 7200 rpm, vibration dampening</p>		<p>Supports ThinkVantage® technologies</p> <p>RoHS-compliant</p> <p>Limited Warranty¹</p> <ul style="list-style-type: none"> ➤ 3-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) ➤ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ➤ ThinkPlus services at lenovo.com/thinkplus/warranty ➤ Post warranty maintenance services available ➤ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
SATA controller	<p>Serial ATA, SATA 3.0Gb/s, integrated in ICH7</p>		
SATA Combo	<p><i>Some:</i> CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive</p>		
SATA DVD±RW	<p><i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)</p>		
SATA cables	<p>Two SATA cables (each 1-drop to device), two SATA connectors on planar</p>		
eSATA port	<p>None</p>		
EIDE controller	<p>Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar</p>		
Diskette drive	<p>None</p>		
Media reader	<p>None</p>		
Chipset	<p>Intel G31 Express Chipset; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O for serial, parallel, keyboard, mouse functions</p>		
Front ports	<p>Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</p>		
Rear ports	<p>Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-I in some models)</p>		
Internal connector	<p>Two USB 2.0 planar connectors (one used; one open for media reader)</p>		
Rear audio ports	<p>Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)</p>		
Audio	<p>High Definition (HD) Audio, Realtek® ALC662 codec</p>		
Speaker	<p>One internal speaker for business audio</p>		
Ethernet	<p>Gigabit ethernet on planar, Marvell® 88E8056, PCIe x1, Wake on LAN®</p>		
Intel AMT	<p>None</p>		
Modem	<p>None</p>		
Security chip	<p>None</p>		
Keyboard	<p>Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo</p>		
Mouse	<p>Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo</p>		
Power supply	<p>280 watts with variable speed fan, autosensing</p>		
Preloaded operating system²⁰	<p>Accessories</p>		
- Microsoft® Windows® Vista Business Edition (32-bit)	1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984	
	2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985	
	1GB PC2-6400 NP DDR2 UDIMM	41U2977	
	2GB PC2-6400 NP DDR2 UDIMM	41U2978	
	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	
	USB 2.0 Lenovo Multimedia Headset	40Y8518	
	USB 2.0 Lenovo Webcam	40Y8519	
	USB 2.0 Essential Memory Key 32GB	45K1258	
	USB 2.0 Ultra Secure Memory Key 8GB	45J5918	
	USB 2.0 Portable Secure 320GB Hard Disk	43R2019	
	ThinkVision® L1940p Wide 19" Monitor	4424HB6	
	ThinkVision L2240p Wide 22" Monitor	4422HB6	
	ThinkVision L2440p Wide 24" Monitor	4420HB2	
	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	
	Kensington Cable Lock from Lenovo	73P2582	
	ADD2 DVI-I PCIe Connection Adapter	73P2516	
	ADD2 DVI-D Monitor Connection (HDCP)	43R1985	
	ATI™ Radeon™ HD 2400 Pro 128MB	43R1961	
	ATI Radeon HD 2400 XT 256MB	43R1962	
	Acc Guide in pdf lenovo.com/accessoriesguide		
	Other accessories at lenovo.com/accessories		
Preloaded applications⁵ (only some listed)			
• <i>Some:</i> Education software			
- VitalSource Library College Edition			
- Adobe® Instructor Resource Center			
- Adobe Digital School Collection			
- Photoshop Elements 6 (and CD)			
- Premier Elements 4 (and DVD)			
- Acrobat 8 Professional (and CD)			
- Contribute 4 (and CD)			
• Rescue and Recovery™			
• Client Security Solution™			
• ThinkVantage Productivity Center			
• ThinkVantage System Update			
• Norton Internet Security™			
• Diskeeper® Home			
• Microsoft Office 2007 Trial (60-day)			
• Sonic RecordNow and Drive Letter Access (combo, DVD±RW)			
• Corel® WinDVD® (combo, DVD±RW)			

See footnotes for important warranty information

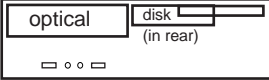
Ⓜ US model announced August 19, 2008; previous models on March 18 or March 25, 2008

Ⓜ US model withdrawn effective September 2008

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Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	SATA optical	Graphics	Vista preload	Vista logo	Global Educ	Avail date
M57e	9482-H1U	2x3	Core 2 Duo E7200	2.53	3MB	Dual	1GB	160GB ²	DVD±RW	GMA	Business32	Basic		Jul 08
M57e	9482-F9U	2x3	Core 2 Duo E7200	2.53	3MB	Dual	1GB	160GB	DVD±RW	GMA	Business32	Basic	Educ	Jul 08
M57e	9482-HCU	2x3	Core 2 Duo E7300	2.66	3MB	Dual	1GB	160GB	DVD±RW	GMA	Business32	Premium	Educ	Sep 08

• **These models have a 3-year limited warranty¹**

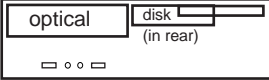
Positioning Processor	<i>Mainstream enterprise stability and manageability</i> Intel® Core™ 2 Duo Processor E7200 or E7300 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, and 1066MHz system bus with 3MB L2 cache		Small	
Implementation	Processor in FC-LGA8 package in LGA775 socket			
Memory	1GB std , 4GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics</i> : standard memory in one socket; one socket available		Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette)	
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter		Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, 32-bit PCI 2.3	
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts		Security <ul style="list-style-type: none"> • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement 	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7			
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)			
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors			
eSATA port	None			
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector			
Diskette drive	None			
Media reader	None			
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express® x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O for serial, parallel, keyboard, mouse functions			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)			
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	One internal speaker for business audio			
Ethernet	Gigabit ethernet on planar, Marvell® 88E8056, PCIe x1, Wake on LAN®			
Intel AMT	None			
Modem	None			
Security chip	None			
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo			
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo			
Power supply	280 watts with variable speed fan, autosensing			
Preloaded operating system²⁰	- Microsoft® Windows® Vista Business Edition (32-bit)		Supports ThinkVantage® technologies	
Preloaded applications⁵	<ul style="list-style-type: none"> • <i>Some</i>: Education software - VitalSource Library College Edition - Adobe® Instructor Resource Center - Adobe Digital School Collection <ul style="list-style-type: none"> - Photoshop Elements 6 (and CD) - Premier Elements 4 (and DVD) - Acrobat 8 Professional (and CD) - Contribute 4 (and CD) • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • System Migration Assistant • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD±RW) 		RoHS-compliant	
Accessories	1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision® L1700p 17" Monitor 9417HE2 ThinkVision L1940p Wide 19" Monitor 4424HB6 ThinkVision L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ADD2 DVI-I PCIe Connection Adapter 73P2516 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI™ Radeon™ HD 2400 Pro 128MB 43R1961 ATI Radeon HD 2400 XT 256MB 43R1962 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories		Limited Warranty¹ <ul style="list-style-type: none"> ⇒ 3-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) ⇒ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇒ ThinkPlus services at lenovo.com/thinkplus/warranty ⇒ Post warranty maintenance services available ⇒ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	

See footnotes for important warranty information

¹⁸ US model announced August 19, 2008; previous models on June 24, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Cores	Memory ⁶	SATA disk	SATA optical	Graphics	Vista preload	Vista logo	Global Educ	Avail date
M57e	9482-H8U	2x3	Pentium E5200	2.50	2MB	2	1GB	160GB ²	DVD	GMA	Business32	Premium	None	Nov 08
M57e	9482-H9U	2x3	Pentium E5200	2.50	2MB	2	1GB	160GB	DVD±RW	GMA	Business32	Premium	None	Nov 08
M57e	9482-J1U	2x3	Pentium E5200	2.50	2MB	2	2GB	160GB	DVD±RW	GMA	Business32	Premium	None	Nov 08

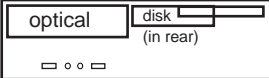
• **These models have a 3-year limited warranty¹**

Positioning	<i>Mainstream enterprise stability and manageability</i>							Small									
Processor	Intel® Pentium® Dual-Core Processor E5200 with dual-core, 800MHz system bus, and 2MB L2 cache																
Implementation	Processor in FC-LGA6 package in LGA775 socket																
Memory	1GB or 2GB std. , 4GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics</i> : standard memory in one socket; one socket available							Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette)									
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter							Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, 32-bit PCI 2.3									
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts							<ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.1 lb (7.3 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation 									
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7																
SATA DVD	<i>Some</i> : DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)																
SATA DVD±RW	<i>Some</i> : Super Multi-Burner DL DVD±RW SATA Drive (41N5620)																
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors																
eSATA port	None																
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector																
Diskette drive	None							Security <ul style="list-style-type: none"> • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement 									
Media reader	None																
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express [®] x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions																
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)																
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)																
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)																
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec																
Speaker	One internal speaker for business audio																
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]																
Intel AMT	None																
Modem	None																
Security chip	None																
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo							Supports ThinkVantage [®] technologies RoHS-compliant									
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo																
Power supply	280 watts with variable speed fan, autosenesing							Limited Warranty¹ <ul style="list-style-type: none"> ⇒ 3-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) ⇒ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇒ ThinkPlus services at lenovo.com/thinkplus/warranty ⇒ Post warranty maintenance services available ⇒ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 									
Preloaded operating system²⁰	- Microsoft® Windows® Vista Business Edition (32-bit)			Accessories									73P4984				
Preloaded applications⁵	<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • System Migration Assistant • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD, DVD±RW) 			1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Security Memory Key 2GB 41U5119 USB 2.0 Security Memory Key 4GB 41U5120 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision® L1700p 17" Monitor 9417HE2 ThinkVision L1940p Wide 19" Monitor 4424HB6 ThinkVision L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ADD2 DVI-I PCIe Connection Adapter 73P2516 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI™ Radeon™ HD 2400 Pro 128MB 43R1961 ATI Radeon HD 2400 XT 256MB 43R1962 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories									73P4984				

See footnotes for important warranty information
 US models announced October 21, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core Memory ⁸	SATA disk	SATA optical	Graphics	ENERGY STAR 4.0	Floor stand	Vista preload	Vista logo	Global Educ	Avail date
M57e	9487-ADU	2x3	Core 2 Duo E4600	2.40	2MB	Dual 1GB	160GB ²	Combo	GMA	ES40	Stand	Bus32	Basic	Gbl	Mar 08
M57e	9487-AFU	2x3	Core 2 Duo E4600	2.40	2MB	Dual 1GB	160GB	Combo	GMA+ADD2	ES40		Bus32	Basic	Gbl	Mar 08
M57e	9487-AEU	2x3	Core 2 Duo E8200	2.66	6MB	Dual 1GB	160GB	Combo	GMA	ES40	Stand	Bus32	Basic	Gbl	Mar 08
M57e	9487-AGU	2x3	Core 2 Duo E8400	3.00	6MB	Dual 2GB	250GB	DVD±RW	GMA+ADD2	ES40		Bus32	Prem	Gbl	Mar 08

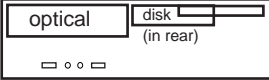
• **These models have a 3-year limited warranty¹**

Positioning Processor	<i>Mainstream enterprise stability and manageability</i> Intel® Core™ 2 Duo Processor E4600 with dual-core , Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache or Intel Core 2 Duo Processor E8200 or E8400 with dual-core , Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket	Small	
Implementation		Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette)	
Memory	1GB or 2GB std , 4GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets avail; <i>Non-italics:</i> standard memory in one socket; one socket available	Slot 1: Low Profile, PCI Express x16 (35w max)* Slot 2: Low Profile, 32-bit PCI 2.3 * used in some models	
Graphics	<i>All:</i> Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector <i>Some:</i> ADD2 DVI-I PCIe Connection Adapter , PCI Express® adapter in PCIe x16 slot, provides DVI-I connector to support second monitor, no DVI-to-VGA dongle	<ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.1 lb (7.3 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • <i>Some:</i> system floor stand for vertical orientation 	
SATA disk	160GB or 250GB , SATA 3.0Gb/s 7200 rpm, vibration dampening		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7		
SATA Combo	<i>Some:</i> CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive		
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors on planar		
eSATA port	None		
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar		
Diskette drive	None		
Media reader	None		
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O for serial, parallel, keyboard, mouse functions		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-I in some models)		
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Marvel® 88E8056, PCIe x1, Wake on LAN®		
Intel AMT	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo		
Power supply	280 watts with variable speed fan, autosensing, 80% PSU		
Preloaded operating system²⁰	Accessories		
- Microsoft® Windows® Vista® Business Edition (32-bit)	1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984	
	2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985	
	1GB PC2-6400 NP DDR2 UDIMM	41U2977	
	2GB PC2-6400 NP DDR2 UDIMM	41U2978	
	250GB SATA 3.0Gb/s Disk (7200 rpm)	41N3015	
	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	
	USB 2.0 Lenovo Multimedia Headset	40Y8518	
	USB 2.0 Lenovo Webcam	40Y8519	
	USB 2.0 Essential Memory Key 32GB	45K1258	
	USB 2.0 Ultra Secure Memory Key 2GB	45J5916	
	USB 2.0 Ultra Secure Memory Key 4GB	45J5917	
	USB 2.0 Ultra Secure Memory Key 8GB	45J5918	
	USB 2.0 Portable Secure 320GB Hard Disk	43R2019	
	ThinkVision® L1940p Wide 19" Monitor	4424HB6	
	ThinkVision L2240p Wide 22" Monitor	4422HB6	
	ThinkVision L2440p Wide 24" Monitor	4420HB2	
	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	
	Kensington Cable Lock from Lenovo	73P2582	
	ADD2 DVI-I PCIe Connection Adapter	73P2516	
	ADD2 DVI-D Monitor Connection (HDCP)	43R1985	
	ATI™ Radeon™ HD 2400 Pro 128MB	43R1961	
	ATI Radeon HD 2400 XT 256MB	43R1962	
	Acc Guide in pdf lenovo.com/accessoriesguide		
	Other accessories at lenovo.com/accessories		
Preloaded applications⁵			
• Rescue and Recovery™			
• Client Security Solution™			
• ThinkVantage Productivity Center			
• ThinkVantage System Update			
• System Migration Assistant			
• Norton Internet Security™ (90 days of virus definitions)			
• Diskeeper® Home			
• PC-Doctor™ (diagnostics)			
• Adobe® Reader			
• Windows Live™ Toolbar			
• Windows Live Search			
• Picasa from Google			
• Microsoft Office 2007 Trial (60-day)			
• Sonic RecordNow and Drive Letter Access (combo, DVD±RW)			
• Corel® WinDVD® (combo, DVD±RW)			
			Security
			• Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons
			• Power-on password
			• Administrator password
			• Hard disk password
			• Boot sequence control
			• Boot without keyboard, mouse, diskette
			• Serial port I/O control
			• Parallel port I/O control
			• USB port disablement
			Supports ThinkVantage® technologies
			EPEAT™ Gold rating
			ENERGY STAR 4.0-compliant
			RoHS-compliant
			Limited Warranty¹
			↪ 3-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)
			↪ Onsite service upgrade options (in eligible locations):⁷
			• 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192)
			• 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193)
			• 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194)
			• 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195)
			• 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196)
			↪ ThinkPlus services at lenovo.com/thinkplus/warranty
			↪ Post warranty maintenance services available
			↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

See footnotes for important warranty information
US models announced March 18, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	SATA optical	Graphics	ENERGY STAR 4.0	Preload	Vista logo	Global Educ	Avail date	
ES	M57e	9487-B3U	2x3	Pentium E2180	2.00	1MB	Dual	1GB	160GB ²	DVD±RW	GMA	ES40	XP Pro	None	Sep 08	
ES	M57e	9487-B4U	2x3	Pentium E2200	2.20	1MB	Dual	2GB	160GB	DVD±RW	GMA	ES40	XP Pro	None	Sep 08	
ES	M57e	9487-B5U	2x3	Core 2 Duo E7200	2.53	3MB	Dual	1GB	160GB	DVD±RW	GMA	ES40	XP Pro	None	Sep 08	
ES	M57e	9487-B6U	2x3	Core 2 Duo E7200	2.53	3MB	Dual	2GB	160GB	DVD	GMA	ES40	XP Pro	None	Sep 08	
ES	M57e	9487-B1U	2x3	Core 2 Duo E7200	2.53	3MB	Dual	1GB	160GB	DVD±RW	GMA	ES40	Bus32	Basic	None	Jul 08
ES	M57e	9487-B7U	2x3	Core 2 Duo E7300	2.66	3MB	Dual	1GB	160GB	DVD±RW	GMA	ES40	Bus32	Prem	None	Sep 08

• These models have a 3-year limited warranty¹

Positioning Processor	Mainstream enterprise stability and manageability Intel® Pentium® Dual-Core Processor E2180 or E2200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo Processor E7200 or E7300 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, and 1066MHz system bus with 3MB L2 cache	Small 
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket	
Memory	1GB or 2GB std , 4GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available	Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette) Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, 32-bit PCI 2.3 • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.1 lb (7.3 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter	Security • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7	Supports ThinkVantage® technologies
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)	
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA Drive (41N5620)	EPEAT™ Gold rating ENERGY STAR 4.0-compliant RoHS-compliant
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors	
eSATA port	None	Limited Warranty¹ ⇨ 3-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) ⇨ Onsite service upgrade options (in eligible locations):⁷ • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇨ ThinkPlus services at lenovo.com/thinkplus/warranty ⇨ Post warranty maintenance services available ⇨ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar	
Diskette drive	None	
Media reader	None	Preloaded operating system²⁰ - <i>Some:</i> Microsoft® Windows® XP Professional with Vista® COA - <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit) Preloaded applications⁵ (all OSes) • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • System Migration Assistant • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Multimedia Center for Think Offerings (DVD, DVD±RW) (XP) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD, DVD±RW) • Corel WinDVD Creator (DVD±RW) (XP)
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express® x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O for serial, parallel, keyboard, mouse functions	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Accessories 1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision® L1940p Wide 19" Monitor 4424HB6 ThinkVision L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ADD2 DVI-I PCIe Connection Adapter 73P2516 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI™ Radeon™ HD 2400 Pro 128MB 43R1961 ATI Radeon HD 2400 XT 256MB 43R1962 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)	
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)	Intel AMT None Modem None Security chip None
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	Intel AMT None Modem None Security chip None
Speaker	One internal speaker for business audio	
Ethernet	Gigabit ethernet on planar, Marvell® 88E8056, PCIe x1, Wake on LAN®	Intel AMT None Modem None Security chip None
Intel AMT	None	
Modem	None	Intel AMT None Modem None Security chip None
Security chip	None	

See footnotes for important warranty information

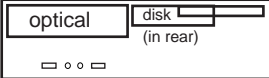
ES US models announced August 19, 2008; previous model on June 24, 2008

ThinkCentre® M57e Small (6178) - ENERGY STAR® 4.0 (GMP)

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ^a	SATA disk	SATA optical	Graphics	ENERGY STAR 4.0	Vista preload	Limited warranty ¹	Global (G) GMP (P)	Avail date
M57e	6178-B1U	2x3	Core 2 Duo E8400	3.00	6MB	Dual	1GB	160GB ²	DVD±RW	GMA	ES40	Business32	3-yr	G P	Jul 08

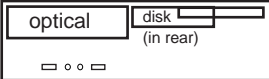
- This model is part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ 2 Duo Processor E8400 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB L2 cache										Small				
Implementation	Processor in FC-LGA8 package in LGA775 socket														
Memory	1GB std , 4GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics</i> : standard memory in one socket; one socket available										Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette)				
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter										Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, 32-bit PCI 2.3				
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts										<ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.1 lb (7.3 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation 				
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7														
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)														
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors														
eSATA port	None														
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector														
Diskette drive	None										Security <ul style="list-style-type: none"> • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement 				
Media reader	None														
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express® x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O for serial, parallel, keyboard, mouse functions														
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)														
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)														
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)														
Audio	High Definition (HD) Audio, Realtek® ALC662 codec														
Speaker	One internal speaker for business audio														
Ethernet	Gigabit ethernet on planar, Marvel® 88E8056, PCIe x1, Wake on LAN®														
Intel AMT	None														
Modem	None														
Security chip	None														
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo														
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo														
Power supply	280 watts with variable speed fan, autosenesing, 80% PSU														
Preloaded operating system²⁰	- Microsoft® Windows® Vista® Business Edition (32-bit) ◇ Vista Basic logo										Supports ThinkVantage® technologies				
Preloaded applications⁵	<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • System Migration Assistant • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD±RW) 										EPEAT™ Gold rating ENERGY STAR 4.0-compliant RoHS-compliant				
Accessories	1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Security Memory Key 2GB 41U5119 USB 2.0 Security Memory Key 4GB 41U5120 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision® L1700p 17" Monitor 9417HE2 ThinkVision L1940p Wide 19" Monitor 4424HB6 ThinkVision L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ADD2 DVI-I PCIe Connection Adapter 73P2516 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI™ Radeon™ HD 2400 Pro 128MB 43R1961 ATI Radeon HD 2400 XT 256MB 43R1962 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories										Limited Warranty¹ <ul style="list-style-type: none"> ⇒ 3-year parts and labor ⇒ International Warranty Service⁹ ⇒ 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) ⇒ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 4-year LOR 9x5, Next Business Day (ThinkPlus™ part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇒ ThinkPlus services at lenovo.com/thinkplus/warranty ⇒ Post warranty maintenance services available ⇒ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 				

See footnotes for important warranty information
US model announced June 24, 2008






Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ^a	SATA disk	SATA optical	Graphics	Vista preload	Vista logo	Limited warranty ¹	Global (G) GMP (P)	Avail date
M57e	7066-AAU	2x3	Pentium E2200	2.20	1MB	Dual	1GB	160GB ²	Combo	GMA	Business32	Basic	3-yr	G P	Apr 08

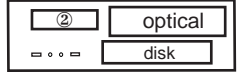
• This model is part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability Intel® Pentium® Dual-Core Processor E2200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, and 800MHz system bus with 1MB shared L2 cache		Small	
Implementation	Processor in FC-LGA6 package in LGA775 socket			
Memory	1GB std, 4GB max⁸, PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics</i> : standard memory in one socket; one socket available		Bay ① 5.25", 1.6" high, access, std optical	std disk
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter		Slot 1: Low Profile, PCI Express x16 (35w max)	Slot 2: Low Profile, 32-bit PCI 2.3
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts		<ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.1 lb (7.3 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation 	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7			
SATA Combo	CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive			
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors			
eSATA port	None			
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector			
Diskette drive	None			
Media reader	None			
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express [®] x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions		<p align="center">Security</p> <ul style="list-style-type: none"> • Security slot (in rear for attachment of optional Kensington[®] Microsaver[®] cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement 	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)			
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec			
Speaker	One internal speaker for business audio			
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]			
Intel AMT	None			
Modem	None			
Security chip	None			
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo			
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo			
Power supply	280 watts with variable speed fan, autosensing			
Preloaded operating system²⁰	Accessories			
- Microsoft [®] Windows [®] Vista [®] Business Edition (32-bit)	1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984		
	2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985		
	1GB PC2-6400 NP DDR2 UDIMM	41U2977		
	2GB PC2-6400 NP DDR2 UDIMM	41U2978		
	250GB SATA 3.0Gb/s Disk (7200 rpm)	41N3015		
	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990		
	USB 2.0 Lenovo Multimedia Headset	40Y8518		
	USB 2.0 Lenovo Webcam	40Y8519		
	USB 2.0 Essential Memory Key 32GB	45K1258		
	USB 2.0 Ultra Secure Memory Key 2GB	45J5916		
	USB 2.0 Ultra Secure Memory Key 4GB	45J5917		
	USB 2.0 Ultra Secure Memory Key 8GB	45J5918		
	USB 2.0 Portable 160GB Hard Disk	43R1784		
	USB 2.0 Portable Secure 320GB Hard Disk	43R2019		
	Super Multi-Burner DL DVD±RW SATA Drive	41N5620		
	ThinkVision [®] L1700p 17" Monitor	9417HE2		
	ThinkVision L1940p Wide 19" Monitor	4424HB6		
	ThinkVision L2240p Wide 22" Monitor	4422HB6		
	ThinkVision L2440p Wide 24" Monitor	4420HB2		
	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067		
	Laser Tilt Wheel Mouse (USB, PS/2)	41U3074		
	Kensington Cable Lock from Lenovo	73P2582		
	ADD2 DVI-I PCIe Connection Adapter	73P2516		
	ADD2 DVI-D Monitor Connection (HDCP)	43R1985		
	ATI [™] Radeon [™] HD 2400 Pro 128MB	43R1961		
	ATI Radeon HD 2400 XT 256MB	43R1962		
	Acc Guide in pdf lenovo.com/accessoriesguide			
	Other accessories at lenovo.com/accessories			
			Supports ThinkVantage [®] technologies	
			RoHS-compliant	
			<p align="center">Limited Warranty¹</p> <ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations)⁷ <ul style="list-style-type: none"> • 4-year LOR 9x5, Next Business Day (ThinkPlus[™] part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	


See footnotes for important warranty information
US model announced March 18, 2008

ThinkCentre® M57e Desktop (9481)

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ^a	SATA disk	SATA optical	Graphics	Preload	Limited warranty ¹	Global Educ	Avail date
 M57e	9481-A1U	4x3	Celeron 420	1.60	512KB	Single	1GB	160GB ²	DVD	GMA	XP Pro	3-yr	None	Mar 08
 M57e	9481-A6U	4x3	Pentium E2160	1.80	1MB	Dual	1GB	160GB	Combo	GMA	XP Pro	3-yr	None	Mar 08
 M57e	9481-A2U	4x3	Core 2 Duo E4500	2.20	2MB	Dual	1GB	160GB	Combo	GMA	XP Pro	3-yr	None	Mar 08
 M57e	9481-A7U	4x3	Core 2 Duo E6550	2.33	4MB	Dual	1GB	160GB	DVD±RW	GMA	XP Pro	3-yr	None	Mar 08
 M57e	9481-BAU	4x3	Core 2 Duo E8200	2.66	6MB	Dual	1GB	160GB	Combo	GMA	XP Pro	3-yr	None	Mar 08

Positioning Processor	<i>Mainstream enterprise stability and manageability</i> Intel® Celeron® Processor 420 with single-core, Intel 64 Tech, Execute Disable Bit, 800MHz system bus, and 512KB L2 cache or Intel Pentium® Dual-Core Processor 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 E4500 with dual-core , Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache or Intel Core 2 Duo Processor E6550 with dual-core , Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, 1333MHz system bus, and 4MB shared L2 cache or Intel Core 2 Duo Processor E8200 with dual-core , Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket	Desktop 
Implementation		<ul style="list-style-type: none"> • Business black color • 13.0" W X 16.2" D X 4.1" H • 331mm W X 412mm D X 104mm H • 19.4 lb (8.8 kg) in max configuration • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, access, open (reader/diskette) Bay ③ 3.5", 1" high, no access, std disk Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, PCI Express x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3
Memory	1GB std , 4GB max ³ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics</i> : standard memory in one socket; one socket available	
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter	Security
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	<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) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement
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 ⁴ Drive (41N5618)	
SATA Combo	<i>Some</i> : CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive	
SATA DVD±RW	<i>Some</i> : Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors on planar	
eSATA port	None	
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar	
Diskette drive	None	
Media reader	None	
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express [®] x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions	Supports ThinkVantage [®] technologies
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	RoHS-compliant
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)	
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec	
Speaker	One internal speaker for business audio	
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]	
Intel AMT	None	
Modem	None	
Security chip	None	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo [®] logo	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo	
Power supply	220 watts with variable speed fan, manual switch	
Preloaded operating system²⁰	Accessories	
- Microsoft [®] Windows [®] XP Professional with Vista [®] COA	1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984	
◆ Disk-to-Disk Recovery (in hidden protected area)	2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985	
Preloaded applications⁵ (only some listed)	1GB PC2-6400 NP DDR2 UDIMM 41U2977	
• Rescue and Recovery [™]	2GB PC2-6400 NP DDR2 UDIMM 41U2978	
• Client Security Solution [™]	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990	
• ThinkVantage Productivity Center	USB 2.0 Lenovo Multimedia Headset 40Y8518	
• ThinkVantage System Update	USB 2.0 Lenovo Webcam 40Y8519	
• System Migration Assistant	USB 2.0 Essential Memory Key 32GB 45K1258	
• Norton Internet Security [™]	USB 2.0 Ultra Secure Memory Key 8GB 45J5918	
• Diskeeper [®] Home	USB 2.0 Portable Secure 320GB Hard Disk 43R2019	
• Microsoft Office 2007 Trial (60-day)	ThinkVision [®] L2440p Wide 24" Monitor 4420HB2	
• Multimedia Center for Think Offerings (combo, DVD, DVD±RW)	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067	
• Sonic RecordNow and Drive Letter Access (combo, DVD±RW)	Kensington Cable Lock from Lenovo 73P2582	
• Corel [®] WinDVD [®] (combo, DVD, DVD±RW)	ADD2 DVI-I PCIe Connection Adapter 73P2516	
• Corel WinDVD Creator (DVD±RW)	ADD2 DVI-D Monitor Connection (HDCP) 43R1985	
	ATI [™] Radeon [™] HD 2400 Pro 128MB 43R1961	
	ATI Radeon HD 2400 XT 256MB 43R1962	
	NVIDIA [®] Quadro [®] 256MB NVS 290 43R1765	
	Acc Guide in pdf lenovo.com/accessoriesguide	
	Other accessories at lenovo.com/accessories	
		<ul style="list-style-type: none"> ⇒ 3-year parts and labor ⇒ International Warranty Service⁹ ⇒ 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) ⇒ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus[™] part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇒ ThinkPlus services at lenovo.com/thinkplus/warranty ⇒ Post warranty maintenance services available ⇒ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

See footnotes for important warranty information

 US model announced March 18, 2008; previous models on February 26, 2008

 US models withdrawn effective September 2008 or January 2009

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(MONA1-5) March 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ^a	SATA disk	SATA optical	Graphics	Vista preload	Limited warranty ¹	Global Educ	Avail date
M57e	9481-A5U	4x3	Celeron 420	1.60	512KB	Single	1GB	160GB ²	DVD	GMA	Business32	3-yr		Mar 08
M57e	9481-A4U	4x3	Pentium E2160	1.80	1MB	Dual	1GB	160GB	Combo	GMA	Business32	3-yr		Mar 08
M57e	9481-D5U	4x3	Pentium E2200	2.20	1MB	Dual	1GB	160GB	Combo	GMA	Business32	3-yr	Gbl	Mar 08
M57e	9481-A3U	4x3	Core 2 Duo E4500	2.20	2MB	Dual	1GB	160GB	Combo	GMA	Business32	3-yr		Mar 08
M57e	9481-D6U	4x3	Core 2 Duo E4600	2.40	2MB	Dual	1GB	160GB	Combo	GMA	Business32	3-yr	Gbl	Mar 08
M57e	9481-A8U	4x3	Core 2 Duo E6550	2.33	4MB	Dual	1GB	160GB	DVD±RW	GMA	Business32	3-yr		Mar 08
M57e	9481-A9U	4x3	Core 2 Duo E8200	2.66	6MB	Dual	1GB	160GB	Combo	GMA	Business32	3-yr	Gbl	Mar 08

Positioning Processor *Mainstream enterprise stability and manageability*
Intel® Celeron® Processor 420 with single-core, Intel 64 Tech, Execute Disable Bit, 800MHz system bus, and 512KB L2 cache or **Intel Pentium® Dual-Core Processor E2160 or E2200 with dual-core**, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or **Intel Core™ 2 Duo Processor E4500 or E4600 with dual-core**, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache or **Intel Core 2 Duo Processor E6550 with dual-core**, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, 1333MHz system bus, and 4MB shared L2 cache or **Intel Core 2 Duo Processor E8200 with dual-core**, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket

Implementation

Memory **1GB std, 4GB max⁸, PC2-5300 667MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets; *Non-italics*: standard memory in one socket; one socket available

Graphics **Intel Graphics Media Accelerator 3100 (GMA 3100)**, integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter

SATA disk **160GB**, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts
SATA controller Serial ATA, SATA 3.0Gb/s, integrated in ICH7
SATA DVD *Some:* DVD-ROM DL SATA 1.5Gb/s 16X-48X Max⁴ Drive (41N5618)
SATA Combo *Some:* CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive
SATA DVD±RW *Some:* Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)
SATA cables Two SATA cables (each 1-drop to device), four SATA connectors on planar
eSATA port None
EIDE controller Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar
Diskette drive None
Media reader None

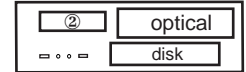
Chipset **Intel G31 Express Chipset**; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express[®] x1, PCI 2.3, USB, LPC bus / ITE Tech[®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions

Front ports Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)
Internal connector Two USB 2.0 planar connectors (one used; one open for media reader)
Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)
Audio High Definition (HD) Audio, Realtek[®] ALC662 codec
Speaker One internal speaker for business audio
Ethernet Gigabit ethernet on planar, Marvell[®] 88E8056, PCIe x1, Wake on LAN[®]
Intel AMT None
Modem None
Security chip None

Keyboard Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo[®] logo
Mouse Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo
Power supply 220 watts with variable speed fan, manual switch

Preloaded operating system ²⁰	Accessories	
- Microsoft [®] Windows [®] Vista Business Edition (32-bit)	1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984
↕ Vista Basic logo	2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985
Preloaded applications⁵ (only some listed)	1GB PC2-6400 NP DDR2 UDIMM	41U2977
• Rescue and Recovery [™]	2GB PC2-6400 NP DDR2 UDIMM	41U2978
• Client Security Solution [™]	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990
• ThinkVantage Productivity Center	USB 2.0 Lenovo Multimedia Headset	40Y8518
• ThinkVantage System Update	USB 2.0 Essential Memory Key 32GB	45K1258
• Norton Internet Security [™]	USB 2.0 Ultra Secure Memory Key 8GB	45J5918
• Diskeeper [®] Home	USB 2.0 Portable Secure 320GB Hard Disk	43R2019
• PC-Doctor [™] (diagnostics)	ThinkVision [®] L2440p Wide 24" Monitor	4420HB2
• Picasa from Google	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067
• Microsoft Office 2007 Trial (60-day)	Kensington Cable Lock from Lenovo	73P2582
• Sonic RecordNow and Drive Letter Access (combo, DVD±RW)	ADD2 DVI-I PCIe Connection Adapter	73P2516
• Corel [®] WinDVD [®] (combo, DVD, DVD±RW)	ADD2 DVI-D Monitor Connection (HDCP)	43R1985
	ATI [™] Radeon [™] HD 2400 Pro 128MB	43R1961
	ATI Radeon HD 2400 XT 256MB	43R1962
	NVIDIA [®] Quadro [®] 256MB NVS 290	43R1765
	Other accessories at lenovo.com/accessories	

Desktop



- Business black color
 - 13.0" W X 16.2" D X 4.1" H
 - 331mm W X 412mm D X 104mm H
 - 19.4 lb (8.8 kg) in max configuration
 - Toolless cover removal
 - Toolless disk, diskette drive, optical drive removal
 - Toolless adapter retention
- Bay ① 5.25", 1.6" high, access, std optical
 Bay ② 3.5", 1" high, access, open (reader/diskette)
 Bay ③ 3.5", 1" high, no access, std disk
- Slot 1: Low Profile, PCI Express x16 (35w max)
 Slot 2: Low Profile, PCI Express x1
 Slot 3: Low Profile, 32-bit PCI 2.3
 Slot 4: Low Profile, 32-bit PCI 2.3

Security

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

Supports ThinkVantage[®] technologies

RoHS-compliant

Limited Warranty¹

- ↔ **3-year parts and labor**
- ↔ **International Warranty Service⁹**
- ↔ **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)**
- ↔ **Onsite service upgrade options (in eligible locations):⁷**
 - **3-year LOR 9x5, 4 hour response** (ThinkPlus[™] part number 41C9192)
 - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
 - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
 - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
 - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- ↔ **ThinkPlus services at lenovo.com/thinkplus/warranty**
- ↔ **Post warranty maintenance services available**
- ↔ **24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378**

See footnotes for important warranty information

⁸ US models announced March 18, 2008; previous models on February 19, 2008

⁹ US models withdrawn effective September 2008 or January 2009

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	SATA optical	Graphics	Vista preload	Limited warranty ¹	Global Educ	Avail date
M57e	9481-F2U	4x3	Core 2 Duo E7200	2.53	3MB	Dual	1GB	160GB ²	DVD±RW	GMA	Business32	3-yr	None	Jun 08

• *This model has a 3-year limited warranty¹*

Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ 2 Duo Processor E7200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, and 1066MHz system bus with 3MB L2 cache		Desktop			
Implementation	Processor in FC-LGA8 package in LGA775 socket		<ul style="list-style-type: none"> Business black color 13.0" W X 16.2" D X 4.1" H 331mm W X 412mm D X 104mm H 19.4 lb (8.8 kg) in max configuration Toolless cover removal Toolless disk, diskette drive, optical drive removal Toolless adapter retention 		<ul style="list-style-type: none"> Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, access, open (reader/diskette) Bay ③ 3.5", 1" high, no access, std disk 	
Memory	1GB std , 4GB max ⁹ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics</i> : standard memory in one socket; one socket available		<ul style="list-style-type: none"> Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, PCI Express x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3 			
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter					
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts					
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7					
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)					
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors					
eSATA port	None					
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar					
Diskette drive	None					
Media reader	None					
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express [®] x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions					
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)					
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)					
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)					
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)					
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec					
Speaker	One internal speaker for business audio					
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]					
Intel AMT	None					
Modem	None					
Security chip	None					
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo					
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo					
Power supply	220 watts with variable speed fan, manual switch					
Preloaded operating system²⁰	- Microsoft [®] Windows [®] Vista Business Edition (32-bit) ◇ Vista Basic logo		Accessories		Supports ThinkVantage [®] technologies	
Preloaded applications⁵	<ul style="list-style-type: none"> Rescue and Recovery[™] Client Security Solution[™] ThinkVantage Productivity Center ThinkVantage System Update System Migration Assistant Norton Internet Security[™] (90 days of virus definitions) Diskeeper[®] Home PC-Doctor[™] (diagnostics) Adobe[®] Reader Windows Live[™] Toolbar Windows Live Search Picasa from Google Microsoft Office 2007 Trial (60-day) Sonic RecordNow and Drive Letter Access (DVD±RW) Corel[®] WinDVD[®] (DVD±RW) 		<ul style="list-style-type: none"> 1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Security Memory Key 2GB 41U5119 USB 2.0 Security Memory Key 4GB 41U5120 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision[®] L1700p 17" Monitor 9417HE2 ThinkVision L1940p Wide 19" Monitor 4424HB6 ThinkVision L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ADD2 DVI-I PCIe Connection Adapter 73P2516 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI[™] Radeon[™] HD 2400 Pro 128MB 43R1961 ATI Radeon HD 2400 XT 256MB 43R1962 NVIDIA[®] Quadro[®] 256MB NVS 290 43R1765 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories 		RoHS-compliant	
					Limited Warranty¹ ⇨ 3-year parts and labor ⇨ International Warranty Service ⁹ ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Onsite service upgrade options (in eligible locations): ⁷ <ul style="list-style-type: none"> 3-year LOR 9x5, 4 hour response (ThinkPlus[™] part number 41C9192) 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇨ ThinkPlus services at lenovo.com/thinkplus/warranty ⇨ Post warranty maintenance services available ⇨ 24 hour x 7 day ¹⁴ toll-free support during the warranty period ¹ via 800-426-7378	

See footnotes for important warranty information
US model announced June 24, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Vista preload	Vista logo	Global Educ	Avail date
M57e	9481-JCU	4x3	Pentium E5200	2.50	2MB	2	1GB	160GB ²	DVD	GMA	Business32	Premium	None	Nov 08
M57e	9481-JDU	4x3	Pentium E5200	2.50	2MB	2	1GB	250GB	DVD±RW	GMA	Business32	Premium	None	Nov 08

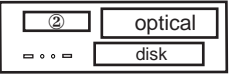
• **These models have a 3-year limited warranty¹**

Positioning Processor	<i>Mainstream enterprise stability and manageability</i> Intel® Pentium® Dual-Core Processor E5200 with dual-core , 800MHz system bus, and 2MB L2 cache		Desktop	
Implementation	Processor in FC-LGA6 package in LGA775 socket			
Memory	1GB std , 4GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics</i> : standard memory in one socket; one socket available		<ul style="list-style-type: none"> • Business black color • 13.0" W X 16.2" D X 4.1" H • 331mm W X 412mm D X 104mm H • 19.4 lb (8.8 kg) in max configuration • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention <p>Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, access, open (reader/diskette) Bay ③ 3.5", 1" high, no access, std disk</p> <p>Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, PCI Express x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3</p>	
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter			
SATA disk	160GB or 250GB , SATA 3.0Gb/s 7200 rpm, vibration dampening			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7			
SATA DVD	<i>Some</i> : DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)			
SATA DVD±RW	<i>Some</i> : Super Multi-Burner DL DVD±RW SATA Drive (41N5620)			
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors			
eSATA port	None			
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar			
Diskette drive	None			
Media reader	None			
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express [®] x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions		<p align="center">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) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement 	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)			
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec			
Speaker	One internal speaker for business audio			
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]			
Intel AMT	None			
Modem	None			
Security chip	None			
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo			
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo			
Power supply	220 watts with variable speed fan, manual switch			
Preloaded operating system²⁰	- Microsoft [®] Windows [®] Vista Business Edition (32-bit)		Supports ThinkVantage [®] technologies	
Preloaded applications⁵	<ul style="list-style-type: none"> • Rescue and Recovery[™] • Client Security Solution[™] • ThinkVantage Productivity Center • ThinkVantage System Update • System Migration Assistant • Norton Internet Security[™] (90 days of virus definitions) • Diskeeper[®] Home • PC-Doctor[™] (diagnostics) • Adobe[®] Reader • Windows Live[™] Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel[®] WinDVD[®] (DVD, DVD±RW) 			
Accessories	<ul style="list-style-type: none"> 1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Security Memory Key 2GB 41U5119 USB 2.0 Security Memory Key 4GB 41U5120 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision[®] L1700p 17" Monitor 9417HE2 ThinkVision L1940p Wide 19" Monitor 4424HB6 ThinkVision L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ADD2 DVI-I PCIe Connection Adapter 73P2516 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI[™] Radeon[™] HD 2400 Pro 128MB 43R1961 ATI Radeon HD 2400 XT 256MB 43R1962 NVIDIA[®] Quadro[®] 256MB NVS 290 43R1765 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories 		RoHS-compliant	
			<p align="center">Limited Warranty¹</p> <ul style="list-style-type: none"> ⇒ 3-year parts and labor ⇒ International Warranty Service⁹ ⇒ 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) ⇒ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus[™] part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇒ ThinkPlus services at lenovo.com/thinkplus/warranty ⇒ Post warranty maintenance services available ⇒ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	

See footnotes for important warranty information
 US models announced October 21, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	SATA optical	Graphics	ENERGY STAR 4.0	Preload	Vista logo	Global Educ	Avail date
☞	M57e	9438-AJU	4x3 Pentium E2180	2.00	1MB	Dual	1GB	160GB ²	DVD±RW	GMA	ES40	XP Pro	No	Sep 08	
☞	M57e	9438-AKU	4x3 Pentium E2200	2.20	1MB	Dual	2GB	160GB	DVD±RW	GMA	ES40	XP Pro	No	Sep 08	
☞	M57e	9438-ALU	4x3 Core 2 Duo E7200	2.53	3MB	Dual	1GB	160GB	DVD±RW	GMA	ES40	XP Pro	No	Sep 08	
☞	M57e	9438-AMU	4x3 Core 2 Duo E7200	2.53	3MB	Dual	2GB	160GB	DVD	GMA+ADD2	ES40	XP Pro	No	Sep 08	
☞	M57e	9438-B1U	4x3 Core 2 Duo E7200	2.53	3MB	Dual	1GB	160GB	DVD±RW	GMA	ES40	Bus32	Basic	No	Jun 08
☞	M57e	9438-ANU	4x3 Core 2 Duo E7300	2.66	3MB	Dual	1GB	160GB	DVD±RW	GMA	ES40	Bus32	Prem	No	Sep 08

• These models have a 3-year limited warranty¹

Positioning Processor	<p>Mainstream enterprise stability and manageability Intel® Pentium® Dual-Core Processor E2180 or E2200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo Processor E7200 or E7300 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, and 1066MHz system bus with 3MB L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket</p>		<p>Desktop</p>  <ul style="list-style-type: none"> • Business black color • 13.0" W X 16.2" D X 4.1" H • 331mm W X 412mm D X 104mm H • 19.4 lb (8.8 kg) in max configuration • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention <p>Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, access, open (reader/diskette) Bay ③ 3.5", 1" high, no access, std disk</p> <p>Slot 1: Low Profile, PCI Express x16 (35w max)[*] Slot 2: Low Profile, PCI Express x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3</p> <p>[*] used in some models</p>
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket		
Memory	<p>1GB or 2GB std, 4GB max⁸, PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets; Non-italics: standard memory in one socket; one socket available</p>		
Graphics	<p>All: Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector Some: ADD2 DVI-D Monitor Connection (HDCP), PCI Express[®] adapter in PCIe x16 slot, provides DVI-D connector to support second monitor, HDCP-compliant</p>		
SATA disk	160GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7		
SATA DVD	Some: DVD-ROM DL SATA 1.5Gb/s 16X-48X Max ⁴ Drive (41N5618)		
SATA DVD±RW	Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors on planar		
eSATA port	None		
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar		
Diskette drive	None		
Media reader	None		
Chipset	<p>Intel G31 Express Chipset; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express x1, PCI 2.3, USB, LPC bus / ITE Tech[®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions</p>		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D in some models)		
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]		
Intel AMT	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo		
Power supply	220 watts with variable speed fan, autosensing, 80% PSU		
Preloaded operating system²⁰	<p>- Some: Microsoft[®] Windows[®] XP Professional with Vista[®] COA - Some: Microsoft Windows Vista Business Edition (32-bit)</p>		
Preloaded applications⁵ (all OSes)	<ul style="list-style-type: none"> • Rescue and Recovery[™] • Client Security Solution[™] • ThinkVantage Productivity Center • ThinkVantage System Update • System Migration Assistant • Norton Internet Security[™] • Diskeeper[®] Home • PC-Doctor[™] (diagnostics) • Adobe[®] Reader • Windows Live[™] Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Multimedia Center for Think Offerings (DVD, DVD±RW) (XP) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel[®] WinDVD[®] (DVD, DVD±RW) • Corel WinDVD Creator (DVD±RW) (XP) 		
Accessories	<ul style="list-style-type: none"> 1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision[®] L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ADD2 DVI-I PCIe Connection Adapter 73P2516 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI[™] Radeon[™] HD 2400 Pro 128MB 43R1961 ATI Radeon HD 2400 XT 256MB 43R1962 NVIDIA[®] Quadro[®] 256MB NVS 290 43R1765 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories 		
	<p>⇒ 3-year parts and labor ⇒ International Warranty Service⁹ ⇒ 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) ⇒ Onsite service upgrade options (in eligible locations):⁷</p> <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus[™] part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) <p>⇒ ThinkPlus services at lenovo.com/thinkplus/warranty ⇒ Post warranty maintenance services available ⇒ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378</p>		
	<p>Supports ThinkVantage[®] technologies</p> <p>EPEAT[™] Gold rating ENERGY STAR 4.0-compliant RoHS-compliant</p>		

See footnotes for important warranty information

☞ US models announced August 19, 2008; previous model on June 24, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁶	SATA disk	SATA optical	Graphics	ENERGY STAR 4.0	Vista preload	Limited warranty ¹	Global (G) GMP (P)	Avail date
M57e	6177-B1U	4x3	Core 2 Duo E8400	3.00	6MB	Dual	1GB	160GB ²	DVD±RW	GMA	ES40	Business32	3-yr	G P	Jul 08

• **This model is part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty**

Positioning Processor	<i>Mainstream enterprise stability and manageability</i> Intel® Core™ 2 Duo Processor E8400 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB L2 cache Processor in FC-LGA8 package in LGA775 socket										Desktop				
Implementation											<ul style="list-style-type: none"> • Business black color • 13.0" W X 16.2" D X 4.1" H • 331mm W X 412mm D X 104mm H • 19.4 lb (8.8 kg) in max configuration • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 				
Memory	1GB std, 4GB max⁸, PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <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, std optical Bay ② 3.5", 1" high, access, open (reader/diskette) Bay ③ 3.5", 1" high, no access, std disk 				
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter										<ul style="list-style-type: none"> Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, PCI Express x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3 				
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts										<p align="center">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) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement 				
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7														
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)														
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors														
eSATA port	None														
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar														
Diskette drive	None														
Media reader	None														
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express® x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O for serial, parallel, keyboard, mouse functions														
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)														
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)														
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)														
Audio	High Definition (HD) Audio, Realtek® ALC662 codec														
Speaker	One internal speaker for business audio														
Ethernet	Gigabit ethernet on planar, Marvell® 88E8056, PCIe x1, Wake on LAN®														
Intel AMT	None														
Modem	None														
Security chip	None														
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo														
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo														
Power supply	220 watts with variable speed fan, autosenesing, 80% PSU														
Preloaded operating system²⁰	Accessories										Supports ThinkVantage® technologies				
- Microsoft® Windows® Vista® Business Edition (32-bit)	1GB PC2-5300 CL5 NP DDR2 UDIMM										73P4984				
↕ Vista Basic logo	2GB PC2-5300 CL5 NP DDR2 UDIMM										73P4985				
Preloaded applications⁵	1GB PC2-6400 NP DDR2 UDIMM										41U2977				
• Rescue and Recovery™	2GB PC2-6400 NP DDR2 UDIMM										41U2978				
• Client Security Solution™	250GB SATA 3.0Gb/s Disk (7200 rpm)										41N3015				
• ThinkVantage Productivity Center	500GB SATA 3.0Gb/s Disk (7200 rpm)										43R1990				
• ThinkVantage System Update	USB Portable Diskette Drive										05K9276				
• System Migration Assistant	USB 2.0 Lenovo Multimedia Headset										40Y8518				
• Norton Internet Security™ (90 days of virus definitions)	USB 2.0 Lenovo Webcam										40Y8519				
• Diskeeper® Home	USB 2.0 Essential Memory Key 32GB										45K1258				
• PC-Doctor™ (diagnostics)	USB 2.0 Ultra Secure Memory Key 2GB										45J5916				
• Adobe® Reader	USB 2.0 Ultra Secure Memory Key 4GB										45J5917				
• Windows Live™ Toolbar	USB 2.0 Ultra Secure Memory Key 8GB										45J5918				
• Windows Live Search	USB 2.0 Portable 160GB Hard Disk										43R1784				
• Picasa from Google	USB 2.0 Portable Secure 320GB Hard Disk										43R2019				
• Microsoft Office 2007 Trial (60-day)	ThinkVision® L1700p 17" Monitor										9417HE2				
• Sonic RecordNow and Drive Letter Access (DVD±RW)	ThinkVision L1940p Wide 19" Monitor										4424HB6				
• Corel® WinDVD® (DVD±RW)	ThinkVision L2240p Wide 22" Monitor										4422HB6				
	ThinkVision L2440p Wide 24" Monitor										4420HB2				
	Wireless Kbd & Opt Wheel Mouse (via USB)										73P4067				
	Laser Tilt Wheel Mouse (USB, PS/2)										41U3074				
	Kensington Cable Lock from Lenovo										73P2582				
	ADD2 DVI-I PCIe Connection Adapter										73P2516				
	ADD2 DVI-D Monitor Connection (HDCP)										43R1985				
	ATI™ Radeon™ HD 2400 Pro 128MB										43R1961				
	ATI Radeon HD 2400 XT 256MB										43R1962				
	NVIDIA® Quadro® 256MB NVS 290										43R1765				
	Acc Guide in pdf lenovo.com/accessoriesguide														
	Other accessories at lenovo.com/accessories														
											<p align="center">Limited Warranty¹</p> <ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 4-year LOR 9x5, Next Business Day (ThinkPlus™ part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 				

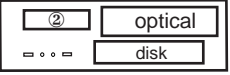
See footnotes for important warranty information
US model announced June 24, 2008

ThinkCentre® M57e Desktop (7065) - GMP

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	SATA optical	Graphics	Vista preload	Limited warranty ¹	Global (G) GMP (P)	Avail date
M57e	7065-AAU	4x3	Pentium E2200	2.20	1MB	Dual	1GB	160GB ²	Combo	GMA	Business32	3-yr	G P	Apr 08
M57e	7065-ABU	4x3	Core 2 Duo E4600	2.40	2MB	Dual	1GB	160GB	Combo	GMA	Business32	3-yr	G P	Apr 08
M57e	7065-ACU	4x3	Core 2 Duo E8200	2.66	6MB	Dual	1GB	160GB	Combo	GMA	Business32	3-yr	G P	Apr 08

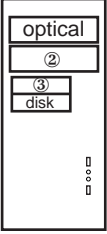
- **These models are part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty**

Positioning Processor	Mainstream enterprise stability and manageability Intel® Pentium® Dual-Core Processor E2200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E4600 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache or Intel Core 2 Duo Processor E8200 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket		Desktop  <ul style="list-style-type: none"> • Business black color • 13.0" W X 16.2" D X 4.1" H • 331mm W X 412mm D X 104mm H • 19.4 lb (8.8 kg) in max configuration • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, access, open (reader/diskette) Bay ③ 3.5", 1" high, no access, std disk Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, PCI Express x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3																																																
Implementation																																																			
Memory	1GB std, 4GB max⁸, PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics</i> : standard memory in one socket; one socket available																																																		
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter																																																		
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts		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® Microsaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement 																																																
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7																																																		
SATA Combo	CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive																																																		
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors on planar																																																		
eSATA port	None																																																		
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar																																																		
Diskette drive	None																																																		
Media reader	None																																																		
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express® x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O for serial, parallel, keyboard, mouse functions																																																		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																																																		
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)																																																		
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)																																																		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)																																																		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec																																																		
Speaker	One internal speaker for business audio																																																		
Ethernet	Gigabit ethernet on planar, Marvell® 88E8056, PCIe x1, Wake on LAN®																																																		
Intel AMT	None																																																		
Modem	None																																																		
Security chip	None																																																		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo																																																		
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo																																																		
Power supply	220 watts with variable speed fan, manual switch																																																		
Preloaded operating system²⁰ - Microsoft® Windows® Vista® Business Edition (32-bit) ⇨ Vista Basic logo Preloaded applications⁵ <ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • System Migration Assistant • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Sonic RecordNow and Drive Letter Access (combo) • Corel® WinDVD® (combo) 			Accessories <table border="0"> <tr><td>1GB PC2-5300 CL5 NP DDR2 UDIMM</td><td>73P4984</td></tr> <tr><td>2GB PC2-5300 CL5 NP DDR2 UDIMM</td><td>73P4985</td></tr> <tr><td>1GB PC2-6400 NP DDR2 UDIMM</td><td>41U2977</td></tr> <tr><td>2GB PC2-6400 NP DDR2 UDIMM</td><td>41U2978</td></tr> <tr><td>250GB SATA 3.0Gb/s Disk (7200 rpm)</td><td>41N3015</td></tr> <tr><td>500GB SATA 3.0Gb/s Disk (7200 rpm)</td><td>43R1990</td></tr> <tr><td>USB 2.0 Lenovo Multimedia Headset</td><td>40Y8518</td></tr> <tr><td>USB 2.0 Lenovo Webcam</td><td>40Y8519</td></tr> <tr><td>USB 2.0 Essential Memory Key 32GB</td><td>45K1258</td></tr> <tr><td>USB 2.0 Ultra Secure Memory Key 8GB</td><td>45J5918</td></tr> <tr><td>USB 2.0 Portable Secure 320GB Hard Disk</td><td>43R2019</td></tr> <tr><td>Super Multi-Burner DL DVD±RW SATA Drive</td><td>41N5620</td></tr> <tr><td>ThinkVision® L2240p Wide 22" Monitor</td><td>4422HB6</td></tr> <tr><td>ThinkVision L2440p Wide 24" Monitor</td><td>4420HB2</td></tr> <tr><td>Wireless Kbd & Opt Wheel Mouse (via USB)</td><td>73P4067</td></tr> <tr><td>Laser Tilt Wheel Mouse (USB, PS/2)</td><td>41U3074</td></tr> <tr><td>Kensington Cable Lock from Lenovo</td><td>73P2582</td></tr> <tr><td>ADD2 DVI-I PCIe Connection Adapter</td><td>73P2516</td></tr> <tr><td>ADD2 DVI-D Monitor Connection (HDCP)</td><td>43R1985</td></tr> <tr><td>ATI™ Radeon™ HD 2400 Pro 128MB</td><td>43R1961</td></tr> <tr><td>ATI Radeon HD 2400 XT 256MB</td><td>43R1962</td></tr> <tr><td>NVIDIA® Quadro® 256MB NVS 290</td><td>43R1765</td></tr> <tr><td>Acc Guide in pdf lenovo.com/accessoriesguide</td><td></td></tr> <tr><td>Other accessories at lenovo.com/accessories</td><td></td></tr> </table>	1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984	2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985	1GB PC2-6400 NP DDR2 UDIMM	41U2977	2GB PC2-6400 NP DDR2 UDIMM	41U2978	250GB SATA 3.0Gb/s Disk (7200 rpm)	41N3015	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	USB 2.0 Lenovo Multimedia Headset	40Y8518	USB 2.0 Lenovo Webcam	40Y8519	USB 2.0 Essential Memory Key 32GB	45K1258	USB 2.0 Ultra Secure Memory Key 8GB	45J5918	USB 2.0 Portable Secure 320GB Hard Disk	43R2019	Super Multi-Burner DL DVD±RW SATA Drive	41N5620	ThinkVision® L2240p Wide 22" Monitor	4422HB6	ThinkVision L2440p Wide 24" Monitor	4420HB2	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	Laser Tilt Wheel Mouse (USB, PS/2)	41U3074	Kensington Cable Lock from Lenovo	73P2582	ADD2 DVI-I PCIe Connection Adapter	73P2516	ADD2 DVI-D Monitor Connection (HDCP)	43R1985	ATI™ Radeon™ HD 2400 Pro 128MB	43R1961	ATI Radeon HD 2400 XT 256MB	43R1962	NVIDIA® Quadro® 256MB NVS 290	43R1765	Acc Guide in pdf lenovo.com/accessoriesguide		Other accessories at lenovo.com/accessories	
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ATI Radeon HD 2400 XT 256MB	43R1962																																																		
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			Supports ThinkVantage® technologies																																																
			RoHS-compliant																																																
			Limited Warranty¹ <ul style="list-style-type: none"> ⇨ 3-year parts and labor ⇨ International Warranty Service⁹ ⇨ 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) ⇨ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 4-year LOR 9x5, Next Business Day (ThinkPlus™ part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇨ ThinkPlus services at lenovo.com/thinkplus/warranty ⇨ Post warranty maintenance services available ⇨ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 																																																

See footnotes for important warranty information
 US models announced March 18, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	2nd Disk Bay	SATA optical	Graphics	Preload	Vista logo	Global Educ	Avail date
M57e	6179-B2U	4x4	Pentium E2200	2.20	1MB	Dual	1GB	160GB ²	None	DVD	GMA	XP Pro		None	Jun 08
M57e	6179-B1U	4x4	Pentium E2200	2.20	1MB	Dual	2GB	160GB	None	DVD±RW	GMA	XP Pro		None	Jun 08
M57e	6179-B3U	4x4	Core 2 Duo E7200	2.53	3MB	Dual	1GB	160GB	None	DVD	GMA	XP Pro		None	Jun 08
M57e	6179-B4U	4x4	Core 2 Duo E7200	2.53	3MB	Dual	2GB	160GB	None	DVD±RW	GMA	XP Pro		None	Jun 08
M57e	6179-B5U	4x4	Pentium E2200	2.20	1MB	Dual	1GB	160GB	None	DVD	GMA	Business32	Prem	None	Aug 08
M57e	6179-B6U	4x4	Pentium E2200	2.20	1MB	Dual	2GB	160GB	None	DVD±RW	GMA	Business32	Prem	None	Aug 08

• These small and medium business (SMB) models are part of the US TopSeller™ Program
• These models have a 3-year limited warranty¹

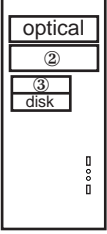
Positioning Processor	Stability and manageability for small and medium businesses Intel® Pentium® Dual-Core Processor E2200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo Processor E7200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, and 1066MHz system bus with 3MB L2 cache	Tower <ul style="list-style-type: none"> Business black color; metal case 6.9" W X 17.3" D X 15.8" H 175mm W X 440mm D X 402mm H 24.2 lb (11.0 kg) in max configuration Handle on top front Toolless cover removal Toolless disk, diskette drive, optical drive removal Toolless adapter retention 
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket	
Memory	1GB or 2GB std , 4GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets avail; <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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter	Slot 1: half-length, full-height, PCI Express x16 (75w max) Slot 2: half-length, full-height, PCI Express x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7	
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)	
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors on planar	
eSATA port	None	
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar	
Diskette drive	None	
Media reader	None	
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express [®] x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)	
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec	
Speaker	One internal speaker for business audio	
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]	
Intel AMT	None	
Modem	None	
Security chip	None	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo	
Power supply	280 watts with variable speed fan, manual switch	
Preloaded operating system²⁰	Accessories	
- <i>Some:</i> Microsoft Windows [®] XP Professional with Vista [®] COA	1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984	
- <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit)	2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985	
	1GB PC2-6400 NP DDR2 UDIMM 41U2977	
	2GB PC2-6400 NP DDR2 UDIMM 41U2978	
	250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015	
	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990	
	USB 2.0 Lenovo Multimedia Headset 40Y8518	
	USB 2.0 Lenovo Webcam 40Y8519	
	USB 2.0 Essential Memory Key 32GB 45K1258	
	USB 2.0 Ultra Secure Memory Key 8GB 45J5918	
	USB 2.0 Portable Secure 320GB Hard Disk 43R2019	
	ThinkVision [®] L2440p Wide 24" Monitor 4420HB2	
	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067	
	Laser Tilt Wheel Mouse (USB, PS/2) 41U3074	
	Kensington Cable Lock from Lenovo 73P2582	
	ADD2 DVI-I PCIe Connection Adapter 73P2516	
	ADD2 DVI-D Monitor Connection (HDCP) 43R1985	
	ATI [™] Radeon [™] HD 2400 XP 128MB 43R1961	
	ATI Radeon HD 2400 XT 256MB 43R1962	
	ATI Radeon HD 2600 XT 512MB 43R1963	
	NVIDIA [®] Quadro [®] 256MB NVS 290 43R1765	
	NVIDIA Quadro 256MB FX 370 43R1766	
	NVIDIA Quadro 512MB FX 1700 43R1767	
	Acc Guide in pdf lenovo.com/accessoriesguide	
	Other accessories at lenovo.com/accessories	
Preloaded applications⁵ (all OSes)		
• Rescue and Recovery [™]		
• Client Security Solution [™]		
• ThinkVantage Productivity Center		
• ThinkVantage System Update		
• System Migration Assistant		
• Norton Internet Security [™]		
• Diskeeper [®] Home		
• PC-Doctor [™] (diagnostics)		
• Adobe [®] Reader		
• Windows Live [™] Toolbar		
• Windows Live Search		
• Picasa from Google		
• Microsoft Office 2007 Trial (60-day)		
• Multimedia Center for Think Offerings (DVD, DVD±RW) (XP)		
• Sonic RecordNow and Drive Letter Access (DVD±RW)		
• Corel [®] WinDVD [®] (DVD, DVD±RW)		
• Corel WinDVD Creator (DVD±RW) (XP)		
		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[®] Microsaver[®] cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control Parallel port I/O control USB port disablement
		Supports ThinkVantage [®] technologies
		RoHS-compliant
		Limited Warranty¹
		<ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus[™] part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

See footnotes for important warranty information

¹⁸ US models announced August 19, 2008; previous models on June 24, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Cores	Memory ⁸	SATA disk	2nd Disk Bay	SATA optical	Graphics	Preload	Vista logo	Global Educ	Avail date
M57e	6179-BBU	4x4	Pentium E5200	2.50	2MB	2	1GB	160GB ²	None	DVD	GMA	XP Pro	Premium	None	Nov 08
M57e	6179-BCU	4x4	Pentium E5200	2.50	2MB	2	2GB	160GB	None	DVD±RW	GMA	XP Pro	Premium	None	Nov 08
M57e	6179-BFU	4x4	Core 2 Duo E7300	2.66	3MB	2	1GB	160GB	None	DVD	GMA	XP Pro	Premium	None	Nov 08
M57e	6179-BDU	4x4	Core 2 Duo E7300	2.66	3MB	2	2GB	160GB	None	DVD±RW	GMA	XP Pro	Premium	None	Nov 08

- **These small and medium business (SMB) models are part of the US TopSeller™ Program**
- **These models have a 3-year limited warranty¹**

Positioning Processor	<i>Stability and manageability for small and medium businesses</i> Intel® Pentium® Dual-Core Processor E5200 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7300 with dual-core, 1066MHz system bus, and 3MB L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket	Tower <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 
Implementation		
Memory	1GB or 2GB std, 4GB max ⁸ , PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets; <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, std optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter	<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 Slot 4: half-length, full-height, 32-bit PCI 2.3
SATA disk	160GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7	
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)	
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA Drive (41N5620)	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors	
eSATA port	None	
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar	
Diskette drive	None	
Media reader	None	
Chipset	Intel G31 Express Chipset; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express [®] x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)	
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec	
Speaker	One internal speaker for business audio	
Ethernet	Gigabit ethernet on planar, Marvel [®] 88E8056, PCIe x1, Wake on LAN [®]	
Intel AMT	None	
Modem	None	
Security chip	None	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo	
Power supply	280 watts with variable speed fan, manual switch	
		Security <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) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement
		Supports ThinkVantage [®] technologies
		RoHS-compliant
Preloaded operating system²⁰	Accessories	
- Microsoft [®] Windows [®] XP Professional with Vista [®] COA	1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984
↕ Disk-to-Disk Recovery (in hidden protected area)	2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985
	1GB PC2-6400 NP DDR2 UDIMM	41U2977
	2GB PC2-6400 NP DDR2 UDIMM	41U2978
	250GB SATA 3.0Gb/s Disk (7200 rpm)	41N3015
	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990
	USB 2.0 Lenovo Multimedia Headset	40Y8518
	USB 2.0 Lenovo Webcam	40Y8519
	USB 2.0 Essential Memory Key 32GB	45K1258
	USB 2.0 Ultra Secure Memory Key 8GB	45J5918
	USB 2.0 Portable Secure 320GB Hard Disk	43R2019
	ThinkVision [®] L2240p Wide 22" Monitor	4422HB6
	ThinkVision L2440p Wide 24" Monitor	4420HB2
	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067
	Laser Tilt Wheel Mouse (USB, PS/2)	41U3074
	Kensington Cable Lock from Lenovo	73P2582
	ADD2 DVI-I PCIe Connection Adapter	73P2516
	ADD2 DVI-D Monitor Connection (HDCP)	43R1985
	ATI [™] Radeon [™] HD 2400 Pro 128MB	43R1961
	ATI Radeon HD 2400 XT 256MB	43R1962
	ATI Radeon HD 2600 XT 512MB	43R1963
	NVIDIA [®] Quadro [®] 256MB NVS 290	43R1765
	NVIDIA Quadro 256MB FX 370	43R1766
	NVIDIA Quadro 512MB FX 1700	43R1767
	Acc Guide in pdf lenovo.com/accessoriesguide	
	Other accessories at lenovo.com/accessories	
Preloaded applications⁵		
• Rescue and Recovery [™]		
• Client Security Solution [™]		
• ThinkVantage Productivity Center		
• ThinkVantage System Update		
• System Migration Assistant		
• Norton Internet Security [™] (90 days of virus definitions)		
• Diskeeper [®] Home		
• PC-Doctor [™] (diagnostics)		
• Adobe [®] Reader		
• Windows Live [™] Toolbar		
• Windows Live Search		
• Picasa from Google		
• Microsoft Office 2007 Trial (60-day)		
• Multimedia Center for Think Offerings (DVD, DVD±RW)		
• Sonic RecordNow and Drive Letter Access (DVD±RW)		
• Corel [®] WinDVD [®] (DVD, DVD±RW)		
• Corel WinDVD Creator (DVD±RW)		
		Limited Warranty¹ <ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus[™] part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

See footnotes for important warranty information
US models announced October 21, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁶	SATA disk	2nd Disk Bay	SATA optical	Graphics	Preload	Limited warranty ¹	Global Educ	Avail date
⚡	M57e	9439-B8U	4x5 Pentium E2160	1.80	1MB	Dual	1GB	160GB ²	Bay	Combo	GMA	XP Pro	3-yr	None	Mar 08
⚡	M57e	9439-B9U	4x5 Core 2 Duo E4500	2.20	2MB	Dual	1GB	160GB	Bay	Combo	GMA	XP Pro	3-yr	None	Mar 08
⚡	M57e	9439-BAU	4x5 Core 2 Duo E6550	2.33	4MB	Dual	1GB	160GB	Bay	Combo	GMA	XP Pro	3-yr	None	Mar 08
⚡	M57e	9439-A2U	4x5 Core 2 Duo E8200	2.66	6MB	Dual	1GB	160GB	Bay	Combo	GMA	XP Pro	3-yr	None	Mar 08

Positioning Processor	<p><i>Mainstream enterprise stability and manageability</i> Intel® Pentium® Dual-Core Processor 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 E4500 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB 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, and 4MB shared L2 cache or Intel Core 2 Duo Processor E8200 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket</p>								<p>Tower</p> <ul style="list-style-type: none"> Business black color; metal case 6.9" W X 17.3" D X 15.8" H 175mm W X 440mm D X 402mm H 24.2 lb (11.0 kg) in max configuration Handle on top front Toolless cover removal Toolless disk, diskette drive, optical drive removal Toolless adapter retention 		
Implementation									<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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk Bay ⑤ 3.5", 1" high, no access, opt disk</p>		
Memory	<p>1GB std, 4GB max⁶, PC2-5300 667MHz 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>Slot 1: half-length, full-height, PCI Express x16 (75w max) Slot 2: half-length, full-height, PCI Express x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>		
Graphics	<p>Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter</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) Security slot (in rear for optional Kensington® Microsaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control Parallel port I/O control USB port disablement 		
SATA disk	<p>160GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts</p>								<p>Supports ThinkVantage® technologies</p>		
SATA controller	<p>Serial ATA, SATA 3.0Gb/s, integrated in ICH7</p>										
SATA Combo	<p>CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive</p>										
SATA cables	<p>Two SATA cables (each 1-drop to device), four SATA connectors on planar</p>										
eSATA port	<p>None</p>								<p>RoHS-compliant</p>		
EIDE controller	<p>Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar</p>										
Diskette drive	<p>None</p>										
Media reader	<p>None</p>										
Chipset	<p>Intel G31 Express Chipset; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express® x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O for serial, parallel, keyboard, mouse functions</p>								<p>Limited Warranty¹</p> <ul style="list-style-type: none"> 3-year parts and labor International Warranty Service⁹ 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) Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance services available 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 		
Front ports	<p>Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</p>										
Rear ports	<p>Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)</p>										
Internal connector	<p>Two USB 2.0 planar connectors (one used; one open for media reader)</p>										
Rear audio ports	<p>Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)</p>								<p>See footnotes for important warranty information</p>		
Audio	<p>High Definition (HD) Audio, Realtek® ALC662 codec</p>										
Speaker	<p>One internal speaker for business audio</p>										
Ethernet	<p>Gigabit ethernet on planar, Marvell® 88E8056, PCIe x1, Wake on LAN®</p>										
Intel AMT	<p>None</p>								<p>© Lenovo (MONA1-6) March 2008</p>		
Modem	<p>None</p>										
Security chip	<p>None</p>										
Keyboard	<p>Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo</p>										
Mouse	<p>Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo</p>								<p>⚡ US model announced March 18, 2008; previous models on February 26, 2008</p>		
Power supply	<p>280 watts with variable speed fan, manual switch</p>										
Preloaded operating system²⁰	<p>- Microsoft® Windows® XP Professional with Vista® COA ⚡ Disk-to-Disk Recovery (in hidden protected area)</p>										
Preloaded applications⁵	<ul style="list-style-type: none"> Rescue and Recovery™ Client Security Solution™ ThinkVantage Productivity Center ThinkVantage System Update System Migration Assistant Norton Internet Security™ Diskeeper® Home PC-Doctor™ (diagnostics) Adobe® Reader Windows Live™ Toolbar Windows Live Search Picasa from Google Microsoft Office 2007 Trial (60-day) Multimedia Center for Think Offerings (combo) Sonic RecordNow and Drive Letter Access (combo) Corel® WinDVD® (combo) 										
Accessories	<ul style="list-style-type: none"> 1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 ThinkVision® L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Kensington Cable Lock from Lenovo 73P2582 ADD2 DVI-I PCIe Connection Adapter 73P2516 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI™ Radeon™ HD 2400 Pro 128MB 43R1961 ATI Radeon HD 2400 XT 256MB 43R1962 ATI Radeon HD 2600 XT 512MB 43R1963 NVIDIA® Quadro® 256MB NVS 290 43R1765 NVIDIA Quadro 256MB FX 370 43R1766 NVIDIA Quadro 512MB FX 1700 43R1767 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories 								<p>⚡ US models withdrawn effective September 2008 or January 2009</p>		

See footnotes for important warranty information
 ⚡ US model announced March 18, 2008; previous models on February 26, 2008
 ⚡ US models withdrawn effective September 2008 or January 2009

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	2nd Disk Bay	SATA optical	Graphics	Preload	Global Educ	Avail date
M57e	9439-EBU	4x5	Pentium E2180	2.00	1MB	Dual	1GB	160GB ²	Bay	DVD	GMA+ADD2	XP Pro	None	Aug 08
M57e	9439-E5U	4x5	Pentium E2200	2.20	1MB	Dual	1GB	160GB	Bay	DVD	GMA	XP Pro	None	Aug 08
M57e	9439-E6U	4x5	Pentium E2200	2.20	1MB	Dual	2GB	160GB	Bay	DVD±RW	GMA	XP Pro	None	Aug 08
M57e	9439-E7U	4x5	Core 2 Duo E7200	2.53	3MB	Dual	1GB	160GB	Bay	DVD±RW	GMA	XP Pro	None	Aug 08
M57e	9439-E9U	4x5	Core 2 Duo E7200	2.53	3MB	Dual	2GB	160GB	Bay	DVD	GMA+ADD2	XP Pro	None	Aug 08
M57e	9439-E8U	4x5	Core 2 Duo E7300	2.66	3MB	Dual	2GB	160GB	Bay	DVD±RW	GMA	XP Pro	None	Aug 08

• **These models have a 3-year limited warranty¹**

Positioning Processor	<p><i>Mainstream enterprise stability and manageability</i> Intel® Pentium® Dual-Core Processor E2180 or E2200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo Processor E7200 or E7300 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, and 1066MHz system bus with 3MB L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket</p>		<p>Tower</p> <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 	
Implementation			<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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk Bay ⑤ 3.5", 1" high, no access, opt disk</p>	
Memory	<p>1GB or 2GB std, 4GB max⁸, PC2-5300 667MHz 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>Slot 1: half-length, full-height, PCI Express x16 (75w max)[*] Slot 2: half-length, full-height, PCI Express x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>	
Graphics	<p><i>All</i>: Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector <i>Some</i>: ADD2 DVI-D Monitor Connection (HDCP), PCI Express[®] adapter in PCIe x16 slot, provides DVI-D connector to support second monitor, HDCP-compliant</p>		<p>* used in some models</p>	
SATA disk	<p>160GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts</p>			
SATA controller	<p>Serial ATA, SATA 3.0Gb/s, integrated in ICH7</p>			
SATA DVD	<p><i>Some</i>: DVD-ROM DL SATA 1.5Gb/s 16X-48X Max⁴ (41N5618)</p>			
SATA DVD±RW	<p><i>Some</i>: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s (41N5620)</p>			
SATA cables	<p>Two SATA cables (each 1-drop to device), four SATA connectors</p>			
eSATA port	<p>None</p>			
EIDE controller	<p>Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar</p>			
Diskette drive	<p>None</p>			
Media reader	<p>None</p>			
Chipset	<p>Intel G31 Express Chipset; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O for serial, parallel, keyboard, mouse functions</p>			
Front ports	<p>Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</p>			
Rear ports	<p>Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D in some models)</p>			
Internal connector	<p>Two USB 2.0 planar connectors (one used; one open for media reader)</p>			
Rear audio ports	<p>Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)</p>			
Audio	<p>High Definition (HD) Audio, Realtek® ALC662 codec</p>			
Speaker	<p>One internal speaker for business audio</p>			
Ethernet	<p>Gigabit ethernet on planar, Marvell® 88E8056, PCIe x1, Wake on LAN[®]</p>			
Intel AMT	<p>None</p>			
Modem	<p>None</p>			
Security chip	<p>None</p>			
Keyboard	<p>Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo</p>			
Mouse	<p>Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo</p>			
Power supply	<p>280 watts with variable speed fan, manual switch</p>			
Preloaded operating system²⁰	<p>- Microsoft® Windows® XP Professional with Vista® COA ♦ Disk-to-Disk Recovery (in hidden protected area)</p>			
Preloaded applications⁵	<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • System Migration Assistant • Norton Internet Security™ • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Multimedia Center for Think Offerings (DVD, DVD±RW) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD, DVD±RW) • Corel WinDVD Creator (DVD±RW) 			
Accessories	<ul style="list-style-type: none"> 1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision® L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ADD2 DVI-I PCIe Connection Adapter 73P2516 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI™ Radeon™ HD 2400 Pro 128MB 43R1961 ATI Radeon HD 2400 XT 256MB 43R1962 ATI Radeon HD 2600 XT 512MB 43R1963 NVIDIA® Quadro® 256MB NVS 290 43R1765 NVIDIA Quadro 256MB FX 370 43R1766 NVIDIA Quadro 512MB FX 1700 43R1767 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories 			
			<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) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement 	
			<p>Supports ThinkVantage® technologies</p>	
			<p>RoHS-compliant</p>	
			<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	

See footnotes for important warranty information
 US models announced August 19, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	2nd Disk Bay	SATA optical	Graphics	Vista preload	Limited warranty ¹	Global Educ	Avail date
M57e	9439-B1U	4x5	Celeron 420	1.60	512KB	Single	1GB	160GB ²	Bay	Combo	GMA	Bus32	3-yr	None	Mar 08
M57e	9439-AAU	4x4	Celeron 430	1.80	512KB	Single	1GB	80GB		DVD	GMA	Bus32	3-yr	None	Mar 08
M57e	9439-ABU	4x4	Pentium E2160	1.80	1MB	Dual	1GB	80GB		DVD	GMA	Bus32	3-yr	None	Mar 08
M57e	9439-AQU	4x5	Pentium E2160	1.80	1MB	Dual	1GB	160GB	Bay	DVD	GMA	Bus32	3-yr	None	Mar 08
M57e	9439-APU	4x5	Pentium E2160	1.80	1MB	Dual	1GB	160GB	Bay	Combo	GMA	Bus32	3-yr	None	Mar 08
M57e	9439-ACU	4x4	Core 2 Duo E4500	2.20	2MB	Dual	1GB	80GB		DVD	GMA	Bus32	3-yr	None	Mar 08
M57e	9439-ARU	4x5	Core 2 Duo E4500	2.20	2MB	Dual	1GB	160GB	Bay	DVD	GMA	Bus32	3-yr	None	Mar 08
M57e	9439-ASU	4x5	Core 2 Duo E4500	2.20	2MB	Dual	1GB	160GB	Bay	Combo	GMA	Bus32	3-yr	None	Mar 08
M57e	9439-AUU	4x5	Core 2 Duo E6550	2.33	4MB	Dual	1GB	160GB	Bay	DVD	GMA	Bus32	3-yr	None	Mar 08
M57e	9439-ADU	4x4	Core 2 Duo E6550	2.33	4MB	Dual	1GB	160GB		Combo	GMA	Bus32	3-yr	None	Mar 08
M57e	9439-ATU	4x5	Core 2 Duo E6550	2.33	4MB	Dual	1GB	160GB	Bay	Combo	GMA	Bus32	3-yr	None	Mar 08

Positioning	<i>Mainstream enterprise stability and manageability</i>	
Processor	Intel® Celeron® Processor 420 or 430 with single-core, Intel 64 Technology, EDBit, 800MHz bus, and 512KB L2 cache or Intel Pentium® Dual-Core Processor 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 E4500 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB 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 Processor in FC-LGA6 package in LGA775 socket	
Implementation	Processor in FC-LGA6 package in LGA775 socket	
Memory	1GB std, 4GB max⁸, PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics</i> : standard memory in one socket; one socket available	
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter	
SATA disk	80GB or 160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7	
SATA DVD	<i>Some</i> : DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)	
SATA Combo	<i>Some</i> : CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors on planar	
eSATA port	None	
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar	
Diskette drive	None	
Media reader	None	
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express [®] x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)	
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec	
Speaker	One internal speaker for business audio	
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]	
Intel AMT	None	
Modem	None	
Security chip	None	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo [®] logo	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo	
Power supply	280 watts with variable speed fan, manual switch	

Preloaded operating system²⁰	Accessories
- Microsoft [®] Windows [®] Vista Business Edition (32-bit)	1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984
↳ Vista Basic logo	2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985
Preloaded applications⁵ (only some listed)	1GB PC2-6400 NP DDR2 UDIMM 41U2977
• Rescue and Recovery [™]	2GB PC2-6400 NP DDR2 UDIMM 41U2978
• Client Security Solution [™]	USB 2.0 Lenovo Multimedia Headset 40Y8518
• ThinkVantage Productivity Center	USB 2.0 Ultra Secure Memory Key 8GB 45J5918
• ThinkVantage System Update	ThinkVision [®] L2440p Wide 24" Monitor 4420HB2
• System Migration Assistant	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067
• Norton Internet Security [™]	Kensington Cable Lock from Lenovo 73P2582
• Diskeeper [®] Home	ADD2 DVI-I PCIe Connection Adapter 73P2516
• PC-Doctor [™] (diagnostics)	ADD2 DVI-D Monitor Connection (HDCP) 43R1985
• Picasa from Google	ATI [™] Radeon [™] HD 2400 Pro 128MB 43R1961
• Microsoft Office 2007 Trial (60-day)	ATI Radeon HD 2400 XT 256MB 43R1962
• Sonic RecordNow and Drive Letter Access (combo)	ATI Radeon HD 2600 XT 512MB 43R1963
• Corel [®] WinDVD [®] (combo, DVD)	NVIDIA [®] Quadro [®] 256MB NVS 290 43R1765
	NVIDIA Quadro 256MB FX 370 43R1766
	NVIDIA Quadro 512MB FX 1700 43R1767
	Other accessories at lenovo.com/accessories

Tower	<ul style="list-style-type: none"> Business black color; metal case 6.9" W X 17.3" D X 15.8" H 175mm W X 440mm D X 402mm H 24.2 lb (11.0 kg) in max configuration Handle on top front Toolless cover removal Toolless disk, diskette drive, optical drive removal Toolless adapter retention 	
Bay ①	5.25", 1.6" high, access, std optical	
Bay ②	5.25", 1.6" high, access, open	
Bay ③	3.5", 1" high, access, open (reader/diskette)	
Bay ④	3.5", 1" high, no access, std disk	
Bay ⑤	3.5", 1" high, no access, opt disk*	
* 2nd Disk Bay is only available on some models		
Slot 1: half-length, full-height, PCI Express x16 (75w max)		
Slot 2: half-length, full-height, PCI Express x1		
Slot 3: half-length, full-height, 32-bit PCI 2.3		
Slot 4: half-length, full-height, 32-bit PCI 2.3		

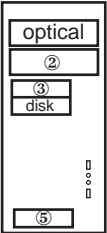
Security
<ul style="list-style-type: none"> One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> - Padlock loop (in rear for opt padlock) - Security slot (in rear for optional Kensington[®] Microsaver[®] cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control Parallel port I/O control USB port disablement
Supports ThinkVantage [®] technologies
RoHS-compliant
Limited Warranty¹
<ul style="list-style-type: none"> ↳ 3-year parts and labor ↳ International Warranty Service⁹ ↳ 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) ↳ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus[™] part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↳ ThinkPlus services at lenovo.com/thinkplus/warranty ↳ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

See footnotes for important warranty information
 US models announced February 19, 2008

↳ US models withdrawn effective September 2008 or January 2009

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁶	SATA disk	2nd Disk Bay	SATA optical	Graphics	Vista preload	Vista logo	Global Educ	Avail date
M57e	9439-AWU	4x5	Pentium E2180	2.00	1MB	Dual	1GB	160GB ²	Bay	DVD±RW	GMA	Bus32	Basic		Aug 08
M57e	9439-DGU	4x4	Pentium E2200	2.20	1MB	Dual	1GB	160GB		Combo	GMA	Bus32	Basic	Gbl	Mar 08
M57e	9439-DHU	4x4	Core 2 Duo E4600	2.40	2MB	Dual	1GB	160GB		Combo	GMA+ADD2	Bus32	Basic	Gbl	Mar 08
M57e	9439-A3U	4x5	Core 2 Duo E8200	2.66	6MB	Dual	1GB	160GB	Bay	Combo	GMA	Bus32	Basic		Mar 08
M57e	9439-DJU	4x4	Core 2 Duo E8400	3.00	6MB	Dual	2GB	250GB		DVD±RW	GMA+ADD2	Bus32	Premium	Gbl	Mar 08

• These models have a 3-year limited warranty¹

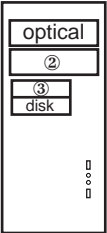
Positioning Processor	Mainstream enterprise stability and manageability Intel® Pentium® Dual-Core Processor E2180 or E2200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E4600 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache or Intel Core 2 Duo Processor E8200 or E8400 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket		Tower <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 
Implementation			
Memory	1GB or 2GB , 4GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets avail; <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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk Bay ⑤ 3.5", 1" high, no access, opt disk**
Graphics	<i>All:</i> Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector <i>Some:</i> ADD2 DVI-I PCIe Connection Adapter , PCI Express [®] adapter in PCIe x16 slot, provides DVI-I connector to support second monitor, no DVI-to-VGA dongle		** 2nd Disk Bay is only available on some models Slot 1: half-length, full-height, PCI Express x16 (75w max) [*] Slot 2: half-length, full-height, PCI Express x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3
SATA disk	160GB or 250GB , SATA 3.0Gb/s 7200 rpm, vibration dampening		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7		
SATA Combo	<i>Some:</i> CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive		
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors on planar		
eSATA port	None		
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar		
Diskette drive	None		
Media reader	None		
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-I in some models)		
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]		
Intel AMT	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo		
Power supply	280 watts with variable speed fan, manual switch		
Preloaded operating system²⁰	Accessories		
- Microsoft [®] Windows [®] Vista Business Edition (32-bit)	1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984	
	2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985	
	1GB PC2-6400 NP DDR2 UDIMM	41U2977	
	2GB PC2-6400 NP DDR2 UDIMM	41U2978	
	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	
	USB 2.0 Lenovo Multimedia Headset	40Y8518	
	USB 2.0 Essential Memory Key 32GB	45K1258	
	USB 2.0 Ultra Secure Memory Key 8GB	45J5918	
	ThinkVision [®] L2440p Wide 24" Monitor	4420HB2	
	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	
	Kensington Cable Lock from Lenovo	73P2582	
	ADD2 DVI-I PCIe Connection Adapter	73P2516	
	ADD2 DVI-D Monitor Connection (HDCP)	43R1985	
	ATI [™] Radeon [™] HD 2400 Pro 128MB	43R1961	
	ATI Radeon HD 2400 XT 256MB	43R1962	
	ATI Radeon HD 2600 XT 512MB	43R1963	
	NVIDIA [®] Quadro [®] 256MB NVS 290	43R1765	
	NVIDIA Quadro 256MB FX 370	43R1766	
	NVIDIA Quadro 512MB FX 1700	43R1767	
	Acc Guide in pdf lenovo.com/accessoriesguide		
	Other accessories at lenovo.com/accessories		
Preloaded applications⁵			
• Rescue and Recovery [™]			
• Client Security Solution [™]			
• ThinkVantage Productivity Center			
• ThinkVantage System Update			
• System Migration Assistant			
• Norton Internet Security [™] (90 days of virus definitions)			
• Diskeeper [®] Home			
• PC-Doctor [™] (diagnostics)			
• Adobe [®] Reader			
• Windows Live [™] Toolbar			
• Windows Live Search			
• Picasa from Google			
• Microsoft Office 2007 Trial (60-day)			
• Sonic RecordNow and Drive Letter Access (combo, DVD±RW)			
• Corel [®] WinDVD [®] (combo, DVD±RW)			
			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[®] Microsaver[®] cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement
			Supports ThinkVantage [®] technologies
			RoHS-compliant
			Limited Warranty¹
			<ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus[™] part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

See footnotes for important warranty information

¹⁸ US model announced August 19, 2008; previous models on March 18, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ^a	SATA disk	2nd Disk Bay	SATA optical	Graphics	Vista preload	Limited warranty ¹	Global Educ	Avail date
M57e	9439-D6U	4x4	Core 2 Duo E7200	2.53	3MB	Dual	1GB	160GB ²	None	DVD±RW	GMA	Bus32	3-yr	None	Jun 08

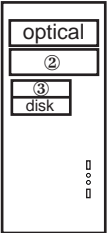
• *This model has a 3-year limited warranty¹*

Positioning Processor	<i>Mainstream enterprise stability and manageability</i> Intel® Core™ 2 Duo Processor E7200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, and 1066MHz system bus with 3MB L2 cache										Tower <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 
Implementation	Processor in FC-LGA8 package in LGA775 socket										
Memory	1GB std , 4GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter										Slot 1: half-length, full-height, PCI Express x16 (75w max) Slot 2: half-length, full-height, PCI Express x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts										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® Microsaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7										
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)										
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors										
eSATA port	None										
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector										
Diskette drive	None										
Media reader	None										
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express [®] x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions										
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)										
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)										
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)										
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)										
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec										
Speaker	One internal speaker for business audio										
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]										
Intel AMT	None										
Modem	None										
Security chip	None										
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo										
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo										
Power supply	280 watts with variable speed fan, manual switch										
Preloaded operating system²⁰	- Microsoft® Windows® Vista Business Edition (32-bit) ◇ Vista Basic logo										Supports ThinkVantage® technologies
Preloaded applications⁵	<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • System Migration Assistant • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD±RW) 										RoHS-compliant
Accessories	1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision® L1940p Wide 19" Monitor 4424HB6 ThinkVision L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ADD2 DVI-I PCIe Connection Adapter 73P2516 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI™ Radeon™ HD 2400 Pro 128MB 43R1961 ATI Radeon HD 2400 XT 256MB 43R1962 ATI Radeon HD 2600 XT 512MB 43R1963 NVIDIA® Quadro® 256MB NVS 290 43R1765 NVIDIA Quadro 256MB FX 370 43R1766 NVIDIA Quadro 512MB FX 1700 43R1767 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories										Limited Warranty¹ <ul style="list-style-type: none"> ⇒ 3-year parts and labor ⇒ International Warranty Service⁹ ⇒ 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) ⇒ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇒ ThinkPlus services at lenovo.com/thinkplus/warranty ⇒ Post warranty maintenance services available ⇒ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

See footnotes for important warranty information
US model announced June 24, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Cores	Memory ^a	SATA disk	2nd Disk Bay	SATA optical	Graphics	Vista preload	Vista logo	Global Educ	Avail date
M57e	9439-F1U	4x4	Pentium E5200	2.50	2MB	2	1GB	160GB ²	None	DVD	GMA	Bus32	Prem	None	Nov 08
M57e	9439-F2U	4x4	Pentium E5200	2.50	2MB	2	1GB	250GB	None	DVD±RW	GMA	Bus32	Prem	None	Nov 08

• **These models have a 3-year limited warranty¹**

Positioning Processor	<i>Mainstream enterprise stability and manageability</i> Intel® Pentium® Dual-Core Processor E5200 with dual-core , 800MHz system bus, and 2MB L2 cache		Tower <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 
Implementation	Processor in FC-LGA6 package in LGA775 socket		
Memory	1GB std , 4GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk Slot 1: half-length, full-height, PCI Express x16 (75w max) Slot 2: half-length, full-height, PCI Express x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter		
SATA disk	160GB or 250GB , SATA 3.0Gb/s 7200 rpm, vibration dampening		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® Microsaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7		
SATA DVD	<i>Some</i> : DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)		
SATA DVD±RW	<i>Some</i> : Super Multi-Burner DL DVD±RW SATA Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors		
eSATA port	None		
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector		
Diskette drive	None		
Media reader	None		
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express [®] x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)		
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]		
Intel AMT	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo		
Power supply	280 watts with variable speed fan, manual switch		
Preloaded operating system²⁰	Accessories		Supports ThinkVantage [®] technologies RoHS-compliant Limited Warranty¹ ⇨ 3-year parts and labor ⇨ International Warranty Service⁹ ⇨ 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) ⇨ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus[™] part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇨ ThinkPlus services at lenovo.com/thinkplus/warranty ⇨ Post warranty maintenance services available ⇨ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
- Microsoft [®] Windows [®] Vista Business Edition (32-bit)	1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision [®] L1940p Wide 19" Monitor 4424HB6 ThinkVision L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ADD2 DVI-I PCIe Connection Adapter 73P2516 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI [™] Radeon [™] HD 2400 Pro 128MB 43R1961 ATI Radeon HD 2400 XT 256MB 43R1962 ATI Radeon HD 2600 XT 512MB 43R1963 NVIDIA [®] Quadro [®] 256MB NVS 290 43R1765 NVIDIA Quadro 256MB FX 370 43R1766 NVIDIA Quadro 512MB FX 1700 43R1767 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories		
Preloaded applications⁵			
<ul style="list-style-type: none"> • Rescue and Recovery[™] • Client Security Solution[™] • ThinkVantage Productivity Center • ThinkVantage System Update • System Migration Assistant • Norton Internet Security[™] (90 days of virus definitions) • Diskeeper[®] Home • PC-Doctor[™] (diagnostics) • Adobe[®] Reader • Windows Live[™] Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel[®] WinDVD[®] (DVD, DVD±RW) 			

See footnotes for important warranty information
 US models announced October 21, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁶	SATA disk	2nd Disk Bay	SATA optical	Graphics	ENERGY STAR 4.0	Vista preload	Vista logo	Global Educ	Avail date
M57e	9356-ADU	4x4	Core 2 Duo E4600	2.40	2MB	Dual	1GB	160GB ²	None	Combo	GMA	ES40	Bus32	Basic	Gbl	Mar 08
M57e	9356-AFU	4x4	Core 2 Duo E4600	2.40	2MB	Dual	1GB	160GB	None	Combo	GMA+ADD2	ES40	Bus32	Basic	Gbl	Mar 08
M57e	9356-AEU	4x4	Core 2 Duo E8200	2.66	6MB	Dual	1GB	160GB	None	Combo	GMA	ES40	Bus32	Basic	Gbl	Mar 08
M57e	9356-AGU	4x4	Core 2 Duo E8400	3.00	6MB	Dual	2GB	250GB	None	DVD±RW	GMA+ADD2	ES40	Bus32	Prem	Gbl	Mar 08

• **These models have a 3-year limited warranty¹**

Positioning Processor	<i>Mainstream enterprise stability and manageability</i> Intel® Core™ 2 Duo Processor E4600 with dual-core , Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache or Intel Core 2 Duo Processor E8200 or E8400 with dual-core , Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket										Tower	
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket										<ul style="list-style-type: none"> Business black color; metal case 6.9" W X 17.3" D X 15.8" H 175mm W X 440mm D X 402mm H 24.2 lb (11.0 kg) in max configuration Handle on top front Toolless cover removal Toolless disk, diskette drive, optical drive removal Toolless adapter retention 	
Memory	1GB or 2GB std , 4GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets avail; <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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk	
Graphics	All: Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector Some: ADD2 DVI-I PCIe Connection Adapter , PCI Express [®] adapter in PCIe x16 slot, provides DVI-I connector to support second monitor, no DVI-to-VGA dongle										Slot 1: half-length, full-height, PCI Express x16 (75w max) [*] Slot 2: half-length, full-height, PCI Express x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	
SATA disk	160GB or 250GB , SATA 3.0Gb/s 7200 rpm, vibration dampening										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[®] Microsaver[®] cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control Parallel port I/O control USB port disablement 	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7											
SATA Combo	Some: CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive										Supports ThinkVantage [®] technologies	
SATA DVD±RW	Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)											
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors on planar										EPEAT™ Gold rating ENERGY STAR 4.0-compliant RoHS-compliant	
eSATA port	None											
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar										Limited Warranty¹ <ul style="list-style-type: none"> 3-year parts and labor International Warranty Service⁹ 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) Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance services available 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	
Diskette drive	None											
Media reader	None											
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions											
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)											
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-I in some models)											
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)											
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)											
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec											
Speaker	One internal speaker for business audio											
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]											
Intel AMT	None											
Modem	None											
Security chip	None											
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo											
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo											
Power supply	280 watts with variable speed fan, autosensing, 80% PSU											
Preloaded operating system²⁰	Accessories											
- Microsoft [®] Windows [®] Vista [®] Business Edition (32-bit)	1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984										
	2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985										
	1GB PC2-6400 NP DDR2 UDIMM	41U2977										
	2GB PC2-6400 NP DDR2 UDIMM	41U2978										
	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990										
	USB 2.0 Lenovo Multimedia Headset	40Y8518										
	USB 2.0 Lenovo Webcam	40Y8519										
	USB 2.0 Essential Memory Key 32GB	45K1258										
	USB 2.0 Ultra Secure Memory Key 8GB	45J5918										
	USB 2.0 Portable Secure 320GB Hard Disk	43R2019										
	ThinkVision [®] L2440p Wide 24" Monitor	4420HB2										
	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067										
	Kensington Cable Lock from Lenovo	73P2582										
	ADD2 DVI-I PCIe Connection Adapter	73P2516										
	ADD2 DVI-D Monitor Connection (HDCP)	43R1985										
	ATI™ Radeon™ HD 2400 Pro 128MB	43R1961										
	ATI Radeon HD 2400 XT 256MB	43R1962										
	ATI Radeon HD 2600 XT 512MB	43R1963										
	NVIDIA [®] Quadro [®] 256MB NVS 290	43R1765										
	NVIDIA Quadro 256MB FX 370	43R1766										
	NVIDIA Quadro 512MB FX 1700	43R1767										
	Acc Guide in pdf lenovo.com/accessoriesguide											
	Other accessories at lenovo.com/accessories											
Preloaded applications⁵	<ul style="list-style-type: none"> Rescue and Recovery™ Client Security Solution™ ThinkVantage Productivity Center ThinkVantage System Update System Migration Assistant Norton Internet Security™ (90 days of virus definitions) Diskeeper[®] Home PC-Doctor™ (diagnostics) Adobe[®] Reader Windows Live™ Toolbar Windows Live Search Picasa from Google Microsoft Office 2007 Trial (60-day) Sonic RecordNow and Drive Letter Access (combo, DVD±RW) Corel[®] WinDVD[®] (combo, DVD±RW) 											

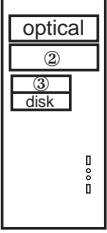
See footnotes for important warranty information
US models announced March 18, 2008

ThinkCentre® M57e Tower (6176) - ENERGY STAR® 4.0 (GMP)

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	2nd Disk Bay	SATA optical	Graphics	ENERGY STAR 4.0	Vista preload	Global (G) GMP (P)	Avail date
M57e	6176-B1U	4x4	Core 2 Duo E8400	3.00	6MB	Dual	1GB	160GB ²	None	DVD±RW	GMA	ES40	Business32	G P	Jul 08

• This model is part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty

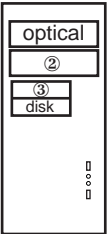
Positioning Processor	<i>Mainstream enterprise stability and manageability</i> Intel® Core™ 2 Duo Processor E8400 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB L2 cache Processor in FC-LGA8 package in LGA775 socket										Tower	
Implementation											<ul style="list-style-type: none"> Business black color; metal case 6.9" W X 17.3" D X 15.8" H 175mm W X 440mm D X 402mm H 24.2 lb (11.0 kg) in max configuration Handle on top front Toolless cover removal Toolless disk, diskette drive, optical drive removal Toolless adapter retention 	
Memory	1GB std , 4GB max ⁹ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <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, std optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk 	
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter										<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 Slot 4: half-length, full-height, 32-bit PCI 2.3 	
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts											
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7											
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)											
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors											
eSATA port	None											
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector											
Diskette drive	None											
Media reader	None											
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express [®] x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions											
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)											
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)											
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)											
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)											
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec											
Speaker	One internal speaker for business audio											
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]											
Intel AMT	None											
Modem	None											
Security chip	None											
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo											
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo											
Power supply	280 watts with variable speed fan, autosensing, 80% PSU											
Preloaded operating system²⁰	Accessories											
- Microsoft® Windows® Vista® Business Edition (32-bit)	1GB PC2-5300 CL5 NP DDR2 UDIMM										73P4984	
◇ Vista Basic logo	2GB PC2-5300 CL5 NP DDR2 UDIMM										73P4985	
	1GB PC2-6400 NP DDR2 UDIMM										41U2977	
	2GB PC2-6400 NP DDR2 UDIMM										41U2978	
	250GB SATA 3.0Gb/s Disk (7200 rpm)										41N3015	
	500GB SATA 3.0Gb/s Disk (7200 rpm)										43R1990	
	USB Portable Diskette Drive										05K9276	
	USB 2.0 Lenovo Multimedia Headset										40Y8518	
	USB 2.0 Lenovo Webcam										40Y8519	
	USB 2.0 Essential Memory Key 32GB										45K1258	
	USB 2.0 Ultra Secure Memory Key 2GB										45J5916	
	USB 2.0 Ultra Secure Memory Key 4GB										45J5917	
	USB 2.0 Ultra Secure Memory Key 8GB										45J5918	
	USB 2.0 Portable 160GB Hard Disk										43R1784	
	USB 2.0 Portable Secure 320GB Hard Disk										43R2019	
	ThinkVision® L1940p Wide 19" Monitor										4424HB6	
	ThinkVision L2240p Wide 22" Monitor										4422HB6	
	ThinkVision L2440p Wide 24" Monitor										4420HB2	
	Wireless Kbd & Opt Wheel Mouse (via USB)										73P4067	
	Laser Tilt Wheel Mouse (USB, PS/2)										41U3074	
	Kensington Cable Lock from Lenovo										73P2582	
	ADD2 DVI-I PCIe Connection Adapter										73P2516	
	ADD2 DVI-D Monitor Connection (HDCP)										43R1985	
	ATI™ Radeon™ HD 2400 Pro 128MB										43R1961	
	ATI Radeon HD 2400 XT 256MB										43R1962	
	ATI Radeon HD 2600 XT 512MB										43R1963	
	NVIDIA® Quadro® 256MB NVS 290										43R1765	
	NVIDIA Quadro 256MB FX 370										43R1766	
	NVIDIA Quadro 512MB FX 1700										43R1767	
	Acc Guide in pdf lenovo.com/accessoriesguide											
	Other accessories at lenovo.com/accessories											
												Supports ThinkVantage® technologies
												EPEAT™ Gold rating ENERGY STAR 4.0-compliant RoHS-compliant
												Limited Warranty¹
												<ul style="list-style-type: none"> 3-year parts and labor International Warranty Service³ 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) Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> 4-year LOR 9x5, Next Business Day (ThinkPlus™ part number 41C9194) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance services available 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

See footnotes for important warranty information
US model announced June 24, 2008

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(MONA2-10) June 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ^a	SATA disk	2nd Disk Bay	SATA optical	Graphics	Vista preload	Limited warranty ¹	Global (G) GMP (P)	Avail date
M57e	7064-AAU	4x4	Pentium E2200	2.20	1MB	Dual	1GB	160GB ²	None	Combo	GMA	Business32	3-yr	G P	Apr 08

- This model is part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability Intel® Pentium® Dual-Core Processor E2200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, and 800MHz system bus with 1MB shared L2 cache										Tower <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 																																																					
Implementation	Processor in FC-LGA6 package in LGA775 socket										<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, open (reader/diskette) • Bay ④ 3.5", 1" high, no access, std disk 																																																					
Memory	1GB std , 4GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics</i> : standard memory in one socket; one socket available										<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 • Slot 4: half-length, full-height, 32-bit PCI 2.3 																																																					
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter																																																															
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts																																																															
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7																																																															
SATA Combo	CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive																																																															
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors																																																															
eSATA port	None																																																															
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector																																																															
Diskette drive	None																																																															
Media reader	None																																																															
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express ⁹ x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions										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[®] Microsaver[®] cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement 																																																					
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																																																															
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)																																																															
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Power supply	280 watts with variable speed fan, manual switch																																																															
Preloaded operating system²⁰	<ul style="list-style-type: none"> - Microsoft[®] Windows[®] Vista[®] Business Edition (32-bit) ◆ Vista Basic logo 										Accessories <table border="0"> <tr><td>1GB PC2-5300 CL5 NP DDR2 UDIMM</td><td>73P4984</td></tr> <tr><td>2GB PC2-5300 CL5 NP DDR2 UDIMM</td><td>73P4985</td></tr> <tr><td>1GB PC2-6400 NP DDR2 UDIMM</td><td>41U2977</td></tr> <tr><td>2GB PC2-6400 NP DDR2 UDIMM</td><td>41U2978</td></tr> <tr><td>250GB SATA 3.0Gb/s Disk (7200 rpm)</td><td>41N3015</td></tr> <tr><td>500GB SATA 3.0Gb/s Disk (7200 rpm)</td><td>43R1990</td></tr> <tr><td>USB Portable Diskette Drive</td><td>05K9276</td></tr> <tr><td>USB 2.0 Lenovo Multimedia Headset</td><td>40Y8518</td></tr> <tr><td>USB 2.0 Lenovo Webcam</td><td>40Y8519</td></tr> <tr><td>USB 2.0 Essential Memory Key 32GB</td><td>45K1258</td></tr> <tr><td>USB 2.0 Ultra Secure Memory Key 8GB</td><td>45J5918</td></tr> <tr><td>USB 2.0 Portable Secure 320GB Hard Disk</td><td>43R2019</td></tr> <tr><td>Super Multi-Burner DL DVD±RW SATA Drive</td><td>41N5620</td></tr> <tr><td>ThinkVision[®] L2240p Wide 22" Monitor</td><td>4422HB6</td></tr> <tr><td>ThinkVision L2440p Wide 24" Monitor</td><td>4420HB2</td></tr> <tr><td>Wireless Kbd & Opt Wheel Mouse (via USB)</td><td>73P4067</td></tr> <tr><td>Laser Tilt Wheel Mouse (USB, PS/2)</td><td>41U3074</td></tr> <tr><td>Kensington Cable Lock from Lenovo</td><td>73P2582</td></tr> <tr><td>ADD2 DVI-I PCIe Connection Adapter</td><td>73P2516</td></tr> <tr><td>ADD2 DVI-D Monitor Connection (HDCP)</td><td>43R1985</td></tr> <tr><td>ATI[™] Radeon[™] HD 2400 Pro 128MB</td><td>43R1961</td></tr> <tr><td>ATI Radeon HD 2400 XT 256MB</td><td>43R1962</td></tr> <tr><td>ATI Radeon HD 2600 XT 512MB</td><td>43R1963</td></tr> <tr><td>NVIDIA[®] Quadro[®] 256MB NVS 290</td><td>43R1765</td></tr> <tr><td>NVIDIA Quadro 256MB FX 370</td><td>43R1766</td></tr> <tr><td>NVIDIA Quadro 512MB FX 1700</td><td>43R1767</td></tr> </table>		1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984	2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985	1GB PC2-6400 NP DDR2 UDIMM	41U2977	2GB PC2-6400 NP DDR2 UDIMM	41U2978	250GB SATA 3.0Gb/s Disk (7200 rpm)	41N3015	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	USB Portable Diskette Drive	05K9276	USB 2.0 Lenovo Multimedia Headset	40Y8518	USB 2.0 Lenovo Webcam	40Y8519	USB 2.0 Essential Memory Key 32GB	45K1258	USB 2.0 Ultra Secure Memory Key 8GB	45J5918	USB 2.0 Portable Secure 320GB Hard Disk	43R2019	Super Multi-Burner DL DVD±RW SATA Drive	41N5620	ThinkVision [®] L2240p Wide 22" Monitor	4422HB6	ThinkVision L2440p Wide 24" Monitor	4420HB2	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	Laser Tilt Wheel Mouse (USB, PS/2)	41U3074	Kensington Cable Lock from Lenovo	73P2582	ADD2 DVI-I PCIe Connection Adapter	73P2516	ADD2 DVI-D Monitor Connection (HDCP)	43R1985	ATI [™] Radeon [™] HD 2400 Pro 128MB	43R1961	ATI Radeon HD 2400 XT 256MB	43R1962	ATI Radeon HD 2600 XT 512MB	43R1963	NVIDIA [®] Quadro [®] 256MB NVS 290	43R1765	NVIDIA Quadro 256MB FX 370	43R1766	NVIDIA Quadro 512MB FX 1700	43R1767
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USB 2.0 Essential Memory Key 32GB	45K1258																																																															
USB 2.0 Ultra Secure Memory Key 8GB	45J5918																																																															
USB 2.0 Portable Secure 320GB Hard Disk	43R2019																																																															
Super Multi-Burner DL DVD±RW SATA Drive	41N5620																																																															
ThinkVision [®] L2240p Wide 22" Monitor	4422HB6																																																															
ThinkVision L2440p Wide 24" Monitor	4420HB2																																																															
Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067																																																															
Laser Tilt Wheel Mouse (USB, PS/2)	41U3074																																																															
Kensington Cable Lock from Lenovo	73P2582																																																															
ADD2 DVI-I PCIe Connection Adapter	73P2516																																																															
ADD2 DVI-D Monitor Connection (HDCP)	43R1985																																																															
ATI [™] Radeon [™] HD 2400 Pro 128MB	43R1961																																																															
ATI Radeon HD 2400 XT 256MB	43R1962																																																															
ATI Radeon HD 2600 XT 512MB	43R1963																																																															
NVIDIA [®] Quadro [®] 256MB NVS 290	43R1765																																																															
NVIDIA Quadro 256MB FX 370	43R1766																																																															
NVIDIA Quadro 512MB FX 1700	43R1767																																																															
	<ul style="list-style-type: none"> • Microsoft Office 2007 Trial (60-day) • Sonic RecordNow and Drive Letter Access (combo) • Corel[®] WinDVD[®] (combo) 										Supports ThinkVantage [®] technologies																																																					
											RoHS-compliant																																																					
											Limited Warranty¹ <ul style="list-style-type: none"> ⇨ 3-year parts and labor ⇨ International Warranty Service⁹ ⇨ 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) ⇨ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 4-year LOR 9x5, Next Business Day (ThinkPlus[™] part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇨ ThinkPlus services at lenovo.com/thinkplus/warranty ⇨ Post warranty maintenance services available ⇨ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 																																																					

See footnotes for important warranty information
US model announced March 18, 2008

Partial list of accessories supported on ThinkCentre M57e

Memory

512MB PC2-5300 CL5 NP DDR2 UDIMM	73P4983	ann 06/28/05
1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984	ann 06/28/05
2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985	ann 09/26/06
512MB PC2-6400 NP DDR2 UDIMM ⁴⁸	41U2976	ann 09/26/06
1GB PC2-6400 NP DDR2 UDIMM ⁴⁸	41U2977	ann 09/26/06
2GB PC2-6400 NP DDR2 UDIMM ⁴⁸	41U2978	ann 01/08/08

⁴⁸ When PC2-6400 is installed with systems that have PC2-5300 memory, PC2-6400 will operate at the PC2-5300 memory speed.

Optical

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

Storage and removable storage

80GB SATA 3.0Gb/s Disk (7200 rpm)	09N4253	ann 05/19/03
160GB SATA 3.0Gb/s Disk (7200 rpm)	09N4254	ann 05/19/03
250GB SATA 3.0Gb/s Disk (7200 rpm)	41N3015	ann 01/24/06
500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	ann 11/06/07
USB 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 Essential Memory Key 4GB	45J7904	ann 06/24/08
USB 2.0 Essential Memory Key 8GB	45J7905	ann 07/15/08
USB 2.0 Essential Memory Key 32GB	45K1258	ann 10/28/08
USB 2.0 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 Ultra Secure Memory Key 1GB	45J5915	ann 08/26/08
USB 2.0 Ultra Secure Memory Key 2GB	45J5916	ann 08/26/08
USB 2.0 Ultra Secure Memory Key 4GB	45J5917	ann 08/26/08
USB 2.0 Ultra Secure Memory Key 8GB	45J5918	ann 08/26/08
USB 2.0 Portable 160GB Hard Disk	43R1784	ann 09/23/08
USB 2.0 Portable Secure 160GB Hard Disk	43R2018	ann 11/18/08
USB 2.0 Portable Secure 320GB Hard Disk	43R2019	ann 11/18/08
USB 2.0 CD-RW/DVD-ROM Combo II Drive	40Y8637	ann 01/05/06
USB 2.0 Super Multi-Burner Drive	41N5565	ann 01/23/07

Graphics

Small 6305/9482/9487/6178/7066 support Low Profile 35 watts max:

ADD2 DVI-I PCIe Connection Adapter	73P2516	ann 06/28/05
ADD2 DVI-D Monitor Connection (HDCP)	43R1985	ann 11/06/07
ATI™ Radeon™ HD 2400 Pro 128MB	43R1961	ann 11/06/07
ATI Radeon HD 2400 XT 256MB	43R1962	ann 11/06/07

Desktop 9481/9438/6177/7065 support Low Profile 35 watts max:

ADD2 DVI-I PCIe Connection Adapter	73P2516	ann 06/28/05
ADD2 DVI-D Monitor Connection (HDCP)	43R1985	ann 11/06/07
ATI Radeon HD 2400 Pro 128MB	43R1961	ann 11/06/07
ATI Radeon HD 2400 XT 256MB	43R1962	ann 11/06/07
ATI Radeon HD 2600 XT 512MB	43R1963	ann 11/06/07
NVIDIA® Quadro 256MB NVS 290	43R1765	ann 12/18/07
NVIDIA Quadro 256MB FX 370	43R1766	ann 12/18/07
NVIDIA Quadro 512MB FX 1700	43R1767	ann 12/18/07

Tower 6179/9439/9356/6176/7064 support 75 watts max:

ADD2 DVI-I PCIe Connection Adapter	73P2516	ann 06/28/05
ADD2 DVI-D Monitor Connection (HDCP)	43R1985	ann 11/06/07
ATI Radeon HD 2400 Pro 128MB	43R1961	ann 11/06/07
ATI Radeon HD 2400 XT 256MB	43R1962	ann 11/06/07
ATI Radeon HD 2600 XT 512MB	43R1963	ann 11/06/07
NVIDIA Quadro 256MB NVS 290	43R1765	ann 12/18/07
NVIDIA Quadro 256MB FX 370	43R1766	ann 12/18/07
NVIDIA Quadro 512MB FX 1700	43R1767	ann 12/18/07

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

Keyboard

Preferred Pro USB Keyboard	73P5220	ann 06/21/05
Preferred Pro Full Size PS/2 Keyboard	31P7415	ann 06/04/02
Enhanced Performance USB Keyboard	73P2620	ann 03/23/04
Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	ann 12/07/04
Lenovo® USB Fingerprint Keyboard	73P4730	ann 02/22/05

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

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
Lenovo Wireless Laser Mouse (blk, via USB)	45K1696	ann 11/25/08
Lenovo Wireless Laser Mouse (red, via USB)	51J0198	ann 11/25/08

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

Multimedia

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

Security

Kensington® Cable Lock from Lenovo	73P2582	ann 12/29/03
Kensington Twin Head Cable Lock	45K1620	ann 09/30/08
USB Gemplus GemPC Smart Card Reader	41N3040	ann 02/21/06

Monitors

ThinkVision® L174 17" Monitor	9227AE1	ann 04/15/08
ThinkVision L1700p 17" Monitor	9417HE2	ann 09/17/08
ThinkVision L1900p 19" Monitor	4431HE1	ann 11/11/08
ThinkVision L1940p Wide 19" Monitor	4424HB6	ann 09/17/08
ThinkVision L200p Wide 20.1" Monitor	4438HB6	ann 04/15/08
ThinkVision L2240p Wide 22" Monitor	4422HB6	ann 09/17/08
ThinkVision L2440p Wide 24" Monitor	4420HB2	ann 09/17/08
ThinkVision L2440x Wide 24" Monitor	4421HB2	ann 09/17/08

More information at www.lenovo.com/thinkvision

Monitor Accessories⁴⁶

ThinkVision USB Soundbar	40Y7616	ann 08/23/05
ThinkVision Soundbar	45K1263	ann 09/16/08
Kensington Cable Lock from Lenovo	73P2582	ann 12/29/03
Kensington Twin Head Cable Lock	45K1620	ann 09/30/08
Radial Arm	19K4464	ann 05/05/00

⁴⁶Compatible on selected Lenovo and ThinkVision monitors.

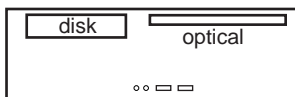
More information at www.lenovo.com/support/monitoraccessories

Medialess License Key (MLK)

Microsoft® Office 2007 Basic, English	43R1528	ann 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 www.lenovo.com/accessories

Accessories Guide pdf at www.lenovo.com/accessoriesguide

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Memory ⁹	SATA disk	EIDE optical	Graphics	eSATA port	Intel vPro	Preload	Limited warranty ¹	Global Educ	Avail date
M57	6071-E3U	1x2	Pentium E2200	2.20	1MB	1GB	160GB ²	DVD	GMA+ADD2	eSATA	No	XP Pro	3-yr	None	Sep 08
M57	6071-E4U	1x2	Pentium E2200	2.20	1MB	2GB	160GB	DVD±RW	GMA+ADD2	eSATA	No	XP Pro	3-yr	None	Sep 08
M57	6071-E5U	1x2	Core 2 Duo E7200	2.53	3MB	1GB	160GB	DVD±RW	GMA+ADD2	eSATA	No	XP Pro	3-yr	None	Sep 08
M57	6071-E7U	1x2	Core 2 Duo E7200	2.53	3MB	2GB	160GB	DVD	GMA+ADD2	eSATA	No	XP Pro	3-yr	None	Sep 08
M57	6071-E6U	1x2	Core 2 Duo E7300	2.66	3MB	2GB	250GB	DVD±RW	GMA+ADD2	eSATA	No	XP Pro	3-yr	None	Sep 08
M57	6071-E9U	1x2	Core 2 Duo E8400	3.00	6MB	1GB	160GB	DVD±RW	GMA+ADD2	eSATA	No	XP Pro	3-yr	None	Sep 08
M57	6071-E8U	1x2	Core 2 Duo E8400	3.00	6MB	2GB	160GB	DVD	GMA+ADD2	eSATA	No	XP Pro	3-yr	None	Sep 08
M57	6071-E1U	1x2	Core 2 Duo E7200	2.53	3MB	1GB	160GB	DVD	GMA+ADD2	eSATA	No	Bus32	3-yr	None	Sep 08
M57	6071-E2U	1x2	Core 2 Duo E7300	2.66	3MB	1GB	250GB	DVD±RW	GMA+ADD2	eSATA	No	Bus32	3-yr	None	Sep 08
Positioning Processor	<p><i>Ultimate enterprise stability for large enterprise and mid-market</i> Intel® Pentium® Dual-Core Processor E2200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E7200 or E7300 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 3MB shared L2 cache or Intel Core 2 Duo Processor E8400 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket</p>								<p>Ultra Small</p> 		<p>Bay ① 3.5", 1" high, no access, std disk (desktop) Bay ② 5.25", *.5" high, access, std optical (notebook)</p> <p>* Optical bay is Ultrabay™ Enhanced 12.7mm high (uses select ThinkPad-based Ultrabay Enhanced [12.7mm high] and Ultrabay Slim [9.5mm high] devices)</p>				
Implementation	<p>Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Memory	<p>1GB or 2GB std, 4GB max⁸, PC2-5300 667MHz 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>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Graphics	<p>Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in Q35, uses main memory (up to 256MB), one analog VGA DB-15 connector ADD2 DVI-D Monitor Connection (HDCP), PCI Express® adapter in PCIe x1 slot, provides DVI-D connector to support second monitor, HDCP-compliant</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
SATA disk	<p>160GB or 250GB, SATA 3.0Gb/s 7200 rpm, vibration dampening Serial ATA, SATA 3.0Gb/s, integrated in ICH9</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
SATA controller	<p>Serial ATA, SATA 3.0Gb/s, integrated in ICH9</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
SATA cables	<p>One SATA cable (1-drop to disk), one SATA connector on planar</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
eSATA port	<p>One external SATA (eSATA) port</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
EIDE DVD	<p><i>Some:</i> 8X/24X Max⁴ DVD-ROM, Ultrabay Enhanced (12.7mm)</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
EIDE DVD±RW	<p><i>Some:</i> Multi-Burner DL DVD±RW Drive, Ultrabay Enhanced (12.7mm high)</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
EIDE controller	<p>Enhanced IDE, ATA-133, via EIDE bridge Silicon Image™ SIL3811 from ICH9</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
EIDE cables	<p>One cable (one 1-drop Ultrabay Enhanced cable to optical), one EIDE connector (Ultrabay Enhanced) on systemboard</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Diskette drive	<p>None</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Media reader	<p>None</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Chipset	<p>Intel Q35 Express Chipset: I/O Controller Hub 9 (ICH9) for SATA 3.0Gb/s, PCI Express x1, ethernet (MAC), PCI 2.3, USB, LPC bus / SMSC® SCH5617 Super I/O for serial, parallel, diskette, hardware monitoring (temperature, voltage, fan speed)</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Front ports	<p>Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Rear ports	<p>Six USB 2.0, serial (9-pin), parallel (25-pin), ethernet (RJ-45), monitor (VGA DB-15, DVI-D), eSATA</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Rear audio ports	<p>Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm)</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Audio	<p>High Definition (HD) Audio, Analog Devices AD1882 codec</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Speaker	<p>One internal speaker for business audio</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Ethernet	<p>Gigabit ethernet on planar, Intel 82566DM, PCIe x1, Wake on LAN®, ASF2.0</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Intel AMT	<p>None</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Modem	<p>None</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Security chip	<p>Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Keyboard	<p>Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Mouse	<p>Optical Wheel Mouse (USB connector), black, Lenovo logo</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Power supply	<p>225 watts with variable speed fan, autosensing, two diagnostic LEDs</p>								<p>Slot 1: half-length (175mm), full-height, PCI Express x1 (via riser card; used by ADD2 DVI-D adapter)</p>		<p>• Business black color; metal case • 10.9" W X 10.7" D X 3.5" H • 276mm W X 273mm D X 89mm H • 14.1 lb (6.4 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Bays 1 and 2 flip up (latched and pivoting) • PCI Express x1 slot on riser card (one 32-bit PCI 2.3 slot also on riser but not supported simultaneously) • Toolless adapter and riser card retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation</p>				
Preloaded operating system²⁰		Accessories													
- <i>Some:</i> Microsoft® Windows® XP Professional with Vista® COA		1GB PC2-5300 CL5 NP DDR2 UDIMM		73P4984											
- <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit)		2GB PC2-5300 CL5 NP DDR2 UDIMM		73P4985											
◇ <i>Vista models:</i> Vista Premium logo		1GB PC2-6400 NP DDR2 UDIMM		41U2977											
Preloaded applications⁵ (all OSes; only some listed)		2GB PC2-6400 NP DDR2 UDIMM		41U2978											
• Rescue and Recovery™		500GB SATA 3.0Gb/s Disk (7200 rpm)		43R1990											
• Client Security Solution™		USB 2.0 Lenovo Multimedia Headset		40Y8518											
• ThinkVantage Productivity Center		USB 2.0 Lenovo Webcam		40Y8519											
• Norton Internet Security™		USB 2.0 Ultra Secure Memory Key 8GB		45J5918											
• Microsoft Office 2007 Trial (60-day)		USB 2.0 Portable Secure 320GB Hard Disk		43R2019											
• Multimedia Center for Think Offerings (DVD, DVD±RW) (XP)		ThinkVision® L2240p Wide 22" Monitor		4422HB6											
• Sonic RecordNow and Drive Letter Access (DVD±RW)		ThinkVision L2440p Wide 24" Monitor		4420HB2											
• Corel® WinDVD® (DVD, DVD±RW)		ThinkCentre Ultra Small Under Desk Mount		40Y8625											
• Corel WinDVD Creator (DVD±RW) (XP)		Wireless Kbd & Opt Wheel Mouse (via USB)		73P4067											
		USB Travel Keyboard with UltraNav™		31P9490											
		Laser Tilt Wheel Mouse (USB, PS/2)		41U3074											
		Kensington Cable Lock from Lenovo		73P2582											
		Acc Guide in pdf lenovo.com/accessoriesguide													
		Other accessories at lenovo.com/accessories													
<p>Security</p> <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse • Serial port I/O control • Parallel port I/O control • Individual USB port disablement • eSATA port disablement <p>Supports ThinkVantage® technologies</p> <p>RoHS-compliant</p> <p>Limited Warranty¹</p> <ul style="list-style-type: none"> ⇨ 3-year parts and labor ⇨ International Warranty Service⁹ ⇨ 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) ⇨ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24															

ThinkCentre® M57 Small (9970) - TopSeller

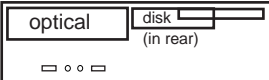
Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Memory ⁸	SATA disk	SATA optical	Graphics	eSATA port	Intel vPro	Preload	Vista logo	Limited warranty ¹	Global Educ	Avail date
M57	9970-A1U	2x3	Pentium E2200	2.20	1MB	1GB	160GB ²	DVD	GMA	eSATA	No	XP Pro		3-yr	No	Jun 08
M57	9970-A2U	2x3	Core 2 Duo E7200	2.53	3MB	1GB	160GB	DVD±RW	GMA	eSATA	No	XP Pro		3-yr	No	Jun 08
M57	9970-A3U	2x3	Core 2 Duo E8400	3.00	6MB	1GB	160GB	DVD±RW	GMA	eSATA	No	XP Pro		3-yr	No	Jun 08
M57	9970-A4U	2x3	Pentium E2200	2.20	1MB	1GB	160GB	DVD	GMA	eSATA	No	Bus32	Prem	3-yr	No	Aug 08
M57	9970-A5U	2x3	Core 2 Duo E7200	2.53	3MB	1GB	160GB	DVD±RW	GMA	eSATA	No	Bus32	Prem	3-yr	No	Aug 08

• These small and medium business (SMB) models are part of the US TopSeller™ Program

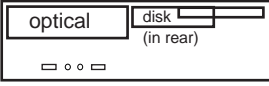
Positioning	Processor	Implementation	Memory	Graphics	SATA disk	SATA controller	SATA DVD	SATA DVD±RW	SATA cables	eSATA port	EIDE controller	Diskette drive	Media reader	Chipset	Front ports	Rear ports	Internal connector	Rear audio ports	Audio	Speaker	Ethernet	Intel AMT	Modem	Security chip	Keyboard	Mouse	Power supply	
	Ultimate stability for small and medium businesses Intel® Pentium® Dual-Core Processor E2200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E7200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 3MB shared L2 cache or Intel Core 2 Duo Processor E8400 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket		1GB std, 8GB max⁸, PC2-5300 667MHz DDR2, non-parity, dual-channel capable, four 240-pin DIMM sockets; Non-italics: standard memory in one socket; 3 sockets available	Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in Q35, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter	160GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	Serial ATA, SATA 3.0Gb/s, integrated in ICH9DO, RAID 0/1 support	Some: DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)	Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)	Two SATA cables (each 1-drop to device), two SATA connectors on planar	One external SATA (eSATA) port	None	None	None	Intel Q35 Express Chipset; I/O Controller Hub 9 Digital Office (ICH9DO) for SATA 3.0Gb/s with RAID 0/1 support, PCI Express® x1, ethernet (MAC), PCI 2.3, USB, LPC bus / SMSC® SCH5617 Super I/O for serial, parallel, diskette, hardware monitoring (temperature, voltage, fan speed)	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Six USB 2.0, serial (9-pin), parallel (25-pin), ethernet (RJ-45), monitor (VGA DB-15), eSATA	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	High Definition (HD) Audio, Analog Devices AD1882 codec	One internal speaker for business audio	Gigabit ethernet on planar, Intel 82566DM, PCIe x1, Wake on LAN®, ASF2.0	None	None	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo	Optical Wheel Mouse (USB connector), black, Lenovo logo	280 watts with variable speed fan, autosensing, two diagnostic LEDs	
					</																							

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Memory ⁸	SATA disk	SATA optical	Graphics	eSATA port	Intel vPro	Preload	Limited warranty ¹	Global Educ	Avail date
M57	6072-GUU	2x3	Pentium E2200	2.20	1MB	1GB	160GB ²	DVD	GMA	eSATA	No	XP Pro	3-yr	No	Aug 08
M57	6072-GVU	2x3	Pentium E2200	2.20	1MB	2GB	160GB	DVD±RW	GMA+ADD2	eSATA	No	XP Pro	3-yr	No	Aug 08
M57	6072-GWU	2x3	Core 2 Duo E7200	2.53	3MB	1GB	160GB	DVD±RW	GMA+ADD2	eSATA	No	XP Pro	3-yr	No	Aug 08
M57	6072-H2U	2x3	Core 2 Duo E7200	2.53	3MB	2GB	250GB	DVD	GMA	eSATA	No	XP Pro	3-yr	No	Aug 08
M57	6072-H1U	2x3	Core 2 Duo E7300	2.66	3MB	2GB	250GB	DVD±RW	GMA	eSATA	No	XP Pro	3-yr	No	Aug 08
M57	6072-H3U	2x3	Core 2 Duo E8400	3.00	6MB	1GB	160GB	DVD	GMA	eSATA	No	XP Pro	3-yr	No	Aug 08
M57	6072-H4U	2x3	Core 2 Duo E8400	3.00	6MB	2GB	160GB	DVD±RW	GMA+ADD2	eSATA	No	XP Pro	3-yr	No	Aug 08
M57	6072-H5U	2x3	Core 2 Duo E8400	3.00	6MB	2GB	250GB	DVD±RW	GMA	eSATA	No	XP Pro	3-yr	No	Aug 08
M57	6072-H6U	2x3	Core 2 Quad Q9300	2.50	6MB	2GB	250GB	DVD±RW	GMA+ADD2	eSATA	No	XP Pro	3-yr	No	Aug 08
M57	6072-H7U	2x3	Core 2 Quad Q9300	2.50	6MB	2GB	320GB	DVD±RW	2400XT	eSATA	No	XP Pro	3-yr	No	Aug 08

Positioning	<i>Ultimate enterprise stability for large enterprise and mid-market</i>										Small	
Processor	Intel® Pentium® Dual-Core Processor E2200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E7200 or E7300 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 3MB shared L2 cache or Intel Core 2 Duo Processor E8400 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, 1333MHz system bus, and 6MB shared L2 cache or Intel Core 2 Quad Processor Q9300 with quad-core (dual-core on dual-die), Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket											
Implementation											Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette)	
Memory	1GB or 2GB std , 8GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available <i>Non-italics:</i> standard memory in one socket; 3 sockets available										Slot 1: Low Profile, PCI Express x16 (35w max)* Slot 2: Low Profile, 32-bit PCI 2.3 (5v) * used in some models	
Graphics	Some: Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in Q35, uses main memory (up to 256MB), one analog VGA DB-15 connector Some: ADD2 DVI-D Monitor Connection (HDCP) , PCI Express® adapter in PCIe x16 slot, provides DVI-D connector to support second monitor, HDCP-compliant Some: ATI™ Radeon™ HD 2400 XT , PCI Express x16 adapter, 256MB, dual-head support, VGA and DVI-I connectors via dongle, S-Video out for TV-out, HDCP, DirectX® 10, ATI Avivo™, dual-link DVI, 35 watts										<ul style="list-style-type: none"> • Business black color: metal case • 12.5" W X 13.4" D X 3.9" H • 317mm W X 341mm D X 99mm H • 16.4 lb (7.4 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation 	
SATA disk	160GB, 250GB, or 320GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts										Security <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse • Serial port I/O control • Parallel port I/O control • Individual USB port disablement • eSATA port disablement 	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH9DO, RAID 0/1 support											
SATA DVD	Some: DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)											
SATA DVD±RW	Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)											
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors on planar											
eSATA port	One external SATA (eSATA) port											
EIDE controller	None											
Diskette drive	None											
Media reader	None											
Chipset	Intel Q35 Express Chipset ; I/O Controller Hub 9 Digital Office (ICH9DO) for SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet (MAC), PCI 2.3, USB, LPC bus / SMSC® SCH5617 Super I/O for serial, parallel, diskette, hardware monitoring (temperature, voltage, fan speed)											
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)										RoHS-compliant	
Rear ports	Six USB 2.0, serial (9-pin), parallel (25-pin), ethernet (RJ-45), eSATA, H7U: monitor (VGA DB-15, DVI-I), S-Video out; Others: monitor (VGA DB-15, DVI-D in some models)										Limited Warranty¹ <ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)											
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)											
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec											
Speaker	One internal speaker for business audio											
Ethernet	Gigabit ethernet on planar, Intel 82566DM, PCIe x1, Wake on LAN®, ASF2.0											
Intel AMT	None											
Modem	None											
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant											
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo											
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo											
Power supply	280 watts with variable speed fan, autosensing, two diagnostic LEDs											
Preloaded operating system²⁰	Accessories											
- Microsoft® Windows® XP Professional with Vista® COA	1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984											
↕ Disk-to-Disk Recovery (in hidden protected area)	2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985											
	1GB PC2-6400 NP DDR2 UDIMM 41U2977											
	2GB PC2-6400 NP DDR2 UDIMM 41U2978											
	USB 2.0 Lenovo Multimedia Headset 40Y8518											
Preloaded applications⁵ (only some listed)	ADD2 DVI-D Monitor Connection (HDCP) 43R1985											
• Rescue and Recovery™	ATI™ Radeon™ HD 2400 Pro 128MB 43R1961											
• Microsoft Office 2007 Trial (60-day)	ATI Radeon HD 2400 XT 256MB 43R1962											
• Corel® WinDVD® (DVD, DVD±RW)	Other accessories at lenovo.com/accessories											
• Corel WinDVD Creator (DVD±RW)												

See footnotes for important warranty information
 US models announced August 19, 2008

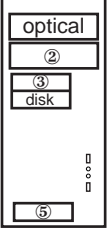
Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Memory ^a	SATA disk	SATA optical	Graphics	eSATA port	Intel vPro	Vista preload	Limited warranty ¹	Global Educ	Avail date
M57	6072-HBU	2x3	Core 2 Duo E7200	2.53	3MB	1GB	160GB ²	DVD	GMA	eSATA	No	Bus32	3-yr	No	Aug 08
M57	6072-HCU	2x3	Core 2 Duo E7200	2.53	3MB	2GB	160GB	DVD±RW	GMA+ADD2	eSATA	No	Bus32	3-yr	No	Aug 08
M57	6072-HDU	2x3	Core 2 Duo E7200	2.53	3MB	2GB	250GB	DVD	GMA+ADD2	eSATA	No	Bus32	3-yr	No	Aug 08
M57	6072-HFU	2x3	Core 2 Duo E7300	2.66	3MB	1GB	160GB	DVD	GMA+ADD2	eSATA	No	Bus32	3-yr	No	Aug 08
M57	6072-HEU	2x3	Core 2 Duo E7300	2.66	3MB	2GB	250GB	DVD±RW	GMA+ADD2	eSATA	No	Bus32	3-yr	No	Aug 08

Positioning Processor	<i>Ultimate enterprise stability for large enterprise and mid-market Intel® Core™ 2 Duo Processor E7200 or E7300 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, and 1066MHz system bus with 3MB shared L2 cache</i>		Small	
Implementation	Processor in FC-LGA8 package in LGA775 socket			
Memory	1GB or 2GB std, 8GB max^a, PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available <i>Non-italics:</i> standard memory in one socket; 3 sockets available		Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette)	
Graphics	<i>All:</i> Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in Q35, uses main memory (up to 256MB), one analog VGA DB-15 connector <i>Some:</i> ADD2 DVI-D Monitor Connection (HDCP) , PCI Express [®] adapter in PCIe x16 slot, provides DVI-D connector to support second monitor, HDCP-compliant		Slot 1: Low Profile, PCI Express x16 (35w max)* Slot 2: Low Profile, 32-bit PCI 2.3 (5v)	
SATA disk	160GB or 250GB , SATA 3.0Gb/s 7200 rpm, vibration dampening		* used in some models <ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 13.4" D X 3.9" H • 317mm W X 341mm D X 99mm H • 16.4 lb (7.4 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation 	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH9DO, RAID 0/1 support			
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)			
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA Drive (41N5620)			
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors			
eSATA port	One external SATA (eSATA) port			
EIDE controller	None			
Diskette drive	None			
Media reader	None			
Chipset	Intel Q35 Express Chipset ; I/O Controller Hub 9 Digital Office (ICH9DO) for SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet (MAC), PCI 2.3, USB, LPC bus / SMSC[®] SCH5617 Super I/O for serial, parallel, diskette, hardware monitoring (temperature, voltage, fan speed)			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Six USB 2.0, serial (9-pin), parallel (25-pin), ethernet (RJ-45), monitor (VGA DB-15, DVI-D in some models), eSATA			
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec			
Speaker	One internal speaker for business audio			
Ethernet	Gigabit ethernet on planar, Intel 82566DM, PCIe x1, Wake on LAN [®] , ASF2.0			
Intel AMT	None			
Modem	None			
Security chip	Winbond [®] WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant			
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo			
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo			
Power supply	280 watts with variable speed fan, autosenesing, two diagnostic LEDs			
Preloaded operating system²⁰	- Microsoft [®] Windows [®] Vista Business Edition (32-bit) ↗ Vista Premium logo			
Preloaded applications⁵	<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • System Migration Assistant • Norton Internet Security™ (90 days of virus definitions) • Diskeeper[®] Home • PC-Doctor™ (diagnostics) • Adobe[®] Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel[®] WinDVD[®] (DVD, DVD±RW) 			
Accessories	1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 USB 2.0 Super Multi-Burner Drive 41N5565 ThinkVision [®] L1700p 17" Monitor 9417HE2 ThinkVision L1940p Wide 19" Monitor 4424HB6 ThinkVision L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Kensington Cable Lock from Lenovo 73P2582 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI™ Radeon™ HD 2400 Pro 128MB 43R1961 ATI Radeon HD 2400 XT 256MB 43R1962 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories			
			Security <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington[®] Microsaver[®] cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse • Serial port I/O control • Parallel port I/O control • Individual USB port disablement • eSATA port disablement Supports ThinkVantage [®] technologies	
			RoHS-compliant	
			Limited Warranty¹ <ul style="list-style-type: none"> ↗ 3-year parts and labor ↗ International Warranty Service⁹ ↗ 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) ↗ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↗ ThinkPlus services at lenovo.com/thinkplus/warranty ↗ Post warranty maintenance services available ↗ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	

See footnotes for important warranty information
 US models announced August 19, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Memory ⁸	SATA disk	SATA optical	Graphics	eSATA port	Intel vPro	Preload	Limited warranty ¹	Global Educ	Avail date
M57	9978-A1U	4x5	Core 2 Duo E7200	2.53	3MB	1GB	160GB ²	DVD±RW	GMA	None	None	XP Pro	3-yr	None	Jun 08
M57	9978-A2U	4x5	Core 2 Duo E8400	3.00	6MB	1GB	160GB	DVD±RW	GMA	None	None	XP Pro	3-yr	None	Jun 08

- These small and medium business (SMB) models are part of the US TopSeller™ Program

Positioning Processor	<i>Ultimate stability for small and medium businesses</i> Intel® Core™ 2 Duo Processor E7200 with dual-core , Intel 64 Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 3MB shared L2 cache or Intel Core 2 Duo Processor E8400 with dual-core , Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA8 package in LGA775 socket		Tower <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.0" D X 15.7" H • 175mm W X 432mm D X 400mm H • 22.5 lb (10.2 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 
Implementation	Processor in FC-LGA8 package in LGA775 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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk Bay ⑤ 3.5", 1" high, no access, opt 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)
Memory	1GB std , 8GB max ⁸ , 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	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in Q35, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter		
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH9DO, RAID 0/1 support		
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA/SATA connector on planar		
eSATA port	None		
EIDE controller	None		
Diskette drive	None		
Media reader	None		
Chipset	Intel Q35 Express Chipset ; I/O Controller Hub 9 Digital Office (ICH9DO) for SATA 3.0Gb/s with RAID 0/1 support, PCI Express® x1, ethernet (MAC), PCI 2.3, USB, LPC bus / SMSC® SCH5617 Super I/O for serial, parallel, diskette, hardware monitoring (temperature, voltage, fan speed)		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 • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • Individual USB port disablement Supports ThinkVantage® technologies
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Intel 82566DM, PCIe x1, Wake on LAN®, ASF2.0		
Intel AMT	None		
Modem	None		
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo		
Power supply	280 watts with variable speed fan, manual switch, two diagnostic LEDs		
Preloaded operating system²⁰	Accessories		
- Microsoft® Windows® XP Professional with Vista® COA	1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984	
◇ Disk-to-Disk Recovery (in hidden protected area)	2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985	
	1GB PC2-6400 NP DDR2 UDIMM	41U2977	
	2GB PC2-6400 NP DDR2 UDIMM	41U2978	
	250GB SATA 3.0Gb/s Disk (7200 rpm)	41N3015	
	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	
	USB Portable Diskette Drive	05K9276	
	USB 2.0 Lenovo Multimedia Headset	40Y8518	
	USB 2.0 Lenovo Webcam	40Y8519	
	USB 2.0 Essential Memory Key 32GB	45K1258	
	USB 2.0 Ultra Secure Memory Key 8GB	45J5918	
	USB 2.0 Portable Secure 320GB Hard Disk	43R2019	
	ThinkVision® L2240p Wide 22" Monitor	4422HB6	
	ThinkVision L2440p Wide 24" Monitor	4420HB2	
	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	
	Kensington Cable Lock from Lenovo	73P2582	
	ADD2 DVI-D Monitor Connection (HDCP)	43R1985	
	ATI™ Radeon™ HD 2400 Pro 128MB	43R1961	
	ATI Radeon HD 2400 XT 256MB	43R1962	
	ATI Radeon HD 2600 XT 512MB	43R1963	
	NVIDIA® Quadro® 256MB NVS 290	43R1765	
	NVIDIA Quadro 256MB FX 370	43R1766	
	NVIDIA Quadro 512MB FX 1700	43R1767	
	Acc Guide in pdf lenovo.com/accessoriesguide		
	Other accessories at lenovo.com/accessories		
Preloaded applications⁵			
• Rescue and Recovery™			
• Client Security Solution™			
• ThinkVantage Productivity Center			
• ThinkVantage System Update			
• System Migration Assistant			
• Norton Internet Security™			
• Diskeeper® Home			
• PC-Doctor™ (diagnostics)			
• Adobe® Reader			
• Windows Live™ Toolbar			
• Windows Live Search			
• Picasa from Google			
• Microsoft Office 2007 Trial (60-day)			
• Multimedia Center for Think Offerings (DVD±RW)			
• Sonic RecordNow and Drive Letter Access (DVD±RW)			
• Corel® WinDVD® (DVD±RW)			
• Corel WinDVD Creator (DVD±RW)			
			Limited Warranty¹
			⇒ 3-year parts and labor
			⇒ International Warranty Service ⁹
			⇒ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
			⇒ Onsite service upgrade options (in eligible locations): ⁷
			• 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192)
			• 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193)
			• 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194)
			• 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195)
			• 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196)
			⇒ ThinkPlus services at lenovo.com/thinkplus/warranty
			⇒ Post warranty maintenance services available
			⇒ 24 hour x 7 day ¹⁴ toll-free support during the warranty period ¹ via 800-426-7378

See footnotes for important warranty information
US models announced June 24, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Memory ⁶	SATA disk	SATA optical	Graphics	eSATA port	Intel vPro	Preload	Limited warranty ¹	Global Educ	Avail date
M57	6075-GAU	4x5	Pentium E2200	2.20	1MB	1GB	160GB ²	DVD	GMA	None	None	XP Pro	3-yr	None	Aug 08
M57	6075-GBU	4x5	Pentium E2200	2.20	1MB	2GB	160GB	DVD±RW	GMA+ADD2	None	None	XP Pro	3-yr	None	Aug 08
M57	6075-GCU	4x5	Core 2 Duo E7200	2.53	3MB	1GB	160GB	DVD±RW	GMA+ADD2	None	None	XP Pro	3-yr	None	Aug 08
M57	6075-GEU	4x5	Core 2 Duo E7200	2.53	3MB	2GB	160GB	DVD	GMA	None	None	XP Pro	3-yr	None	Aug 08
M57	6075-GDU	4x5	Core 2 Duo E7300	2.66	3MB	2GB	250GB	DVD±RW	GMA	None	None	XP Pro	3-yr	None	Aug 08
M57	6075-G9U	4x5	Core 2 Quad Q9300	2.50	6MB	2GB	320GB	DVD±RW	2400XT	None	None	XP Pro	3-yr	None	Aug 08
M57	6075-G5U	4x5	Core 2 Duo E7200	2.53	3MB	1GB	160GB	DVD	GMA	None	None	Bus32	3-yr	None	Aug 08
M57	6075-G7U	4x5	Core 2 Duo E7200	2.53	3MB	1GB	160GB	DVD±RW	GMA+ADD2	None	None	Bus32	3-yr	None	Aug 08
M57	6075-G6U	4x5	Core 2 Duo E7200	2.53	3MB	2GB	160GB	DVD±RW	GMA	None	None	Bus32	3-yr	None	Aug 08
M57	6075-G8U	4x5	Core 2 Duo E7300	2.66	3MB	2GB	250GB	DVD±RW	GMA+ADD2	None	None	Bus32	3-yr	None	Aug 08
Positioning Processor	<i>Ultimate enterprise stability for large enterprise and mid-market</i> Intel® Pentium® Dual-Core Processor E2200 with dual-core , Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E7200 or E7300 with dual-core , Intel 64 Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 3MB shared L2 cache or Intel Core 2 Quad Processor Q9300 with quad-core (dual-core on dual-die), Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket									Tower <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.0" D X 15.7" H • 175mm W X 432mm D X 400mm H • 22.5 lb (10.2 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 					
Implementation										Bay ① 5.25", 1.6" high, access, std optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk Bay ⑤ 3.5", 1" high, no access, opt disk					
Memory	1GB or 2GB std , 8GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; 3 sockets available									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) * used in some models					
Graphics	<i>Some:</i> Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in Q35, uses main memory (up to 256MB), one analog VGA DB-15 connector <i>Some:</i> ADD2 DVI-D Monitor Connection (HDCP) , PCI Express [®] adapter in PCIe x16 slot, provides DVI-D connector to support second monitor, HDCP-compliant <i>Some:</i> ATI™ Radeon™ HD 2400 XT , PCI Express x16 adapter, 256MB, dual-head support, VGA and DVI-I connectors via dongle, S-Video out for TV-out, HDCP, DirectX [®] 10, ATI Avivo™, dual-link DVI, 35 watts									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 • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • Individual USB port disablement 					
SATA disk	160GB, 250GB, or 320GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts Serial ATA, SATA 3.0Gb/s, integrated in ICH9DO, RAID 0/1 support <i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618) <i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620) Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA/SATA connector on panel									Supports ThinkVantage [®] technologies					
SATA controller										RoHS-compliant					
SATA DVD										Limited Warranty¹ ⇨ 3-year parts and labor ⇨ International Warranty Service⁹ ⇨ 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) ⇨ Onsite service upgrade options (in eligible locations):⁷ • 3-year LOR 9x5, 4 hour response (ThinkPlus [™] part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇨ ThinkPlus services at lenovo.com/thinkplus/warranty ⇨ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378					
SATA DVD±RW															
SATA cables															
eSATA port	None														
EIDE controller	None														
Diskette drive	None														
Media reader	None														
Chipset	Intel Q35 Express Chipset ; I/O Controller Hub 9 Digital Office (ICH9DO) for SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet (MAC), PCI 2.3, USB, LPC bus / SMSC [®] SCH5617 Super I/O for serial, parallel, diskette, hardware monitoring (temperature, voltage, fan speed)														
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
Rear ports	Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), G9U: monitor (VGA DB-15, DVI-I), S-Video out; Others: monitor (VGA DB-15, DVI-D in some models)														
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)														
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)														
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec														
Speaker	One internal speaker for business audio														
Ethernet	Gigabit ethernet on planar, Intel 82566DM, PCIe x1, Wake on LAN [®] , ASF2.0														
Intel AMT	None														
Modem	None														
Security chip	Winbond [®] WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant														
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo														
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo														
Power supply	280 watts with variable speed fan, manual switch, two diagnostic LEDs														
Preloaded operating system²⁰			Accessories												
- <i>Some:</i> Microsoft [®] Windows [®] XP Professional with Vista [®] COA			1GB PC2-6400 NP DDR2 UDIMM			41U2977									
- <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit)			2GB PC2-6400 NP DDR2 UDIMM			41U2978									
⇨ <i>Vista models:</i> Vista Premium logo			ADD2 DVI-D Monitor Connection (HDCP)			43R1985									
Preloaded applications⁵ (all OSes; only some listed)			ATI™ Radeon™ HD 2400 Pro 128MB			43R1961									
• Rescue and Recovery™			ATI Radeon HD 2400 XT 256MB			43R1962									
• Norton Internet Security™			ATI Radeon HD 2600 XT 512MB			43R1963									
• Microsoft Office 2007 Trial (60-day)			NVIDIA [®] Quadro [®] 256MB NVS 290			43R1765									
			NVIDIA Quadro 256MB FX 370			43R1766									
			NVIDIA Quadro 512MB FX 1700			43R1767									
			Other accessories at lenovo.com/accessories												

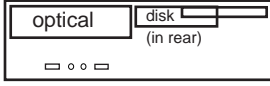
See footnotes for important warranty information
 US models announced August 19, 2008

ThinkCentre® M57p Small (9967) - TopSeller

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Memory ⁸	SATA disk	SATA optical	Graphics	eSATA port	Intel vPro	Preload	Limited warranty ¹	Global Educ	Avail date
M57p	9967-A1U	2x3	Core 2 Duo E8400	3.00	6MB	1GB	160GB ²	DVD	GMA	eSATA	vPro	XP Pro	3-yr	None	Jun 08
M57p	9967-A2U	2x3	Core 2 Duo E8400	3.00	6MB	2GB	160GB	DVD±RW	GMA	eSATA	vPro	XP Pro	3-yr	None	Jun 08
M57p	9967-A3U	2x3	Core 2 Quad Q9300	2.50	6MB	2GB	160GB	DVD±RW	GMA	eSATA	vPro	XP Pro	3-yr	None	Jun 08
M57p	9967-A4U	2x3	Core 2 Duo E8400	3.00	6MB	1GB	160GB	DVD	GMA	eSATA	vPro	Bus32	3-yr	None	Sep 08
M57p	9967-A5U	2x3	Core 2 Duo E8400	3.00	6MB	2GB	160GB	DVD±RW	GMA	eSATA	vPro	Bus32	3-yr	None	Sep 08

- **Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)**
- **These small and medium business (SMB) models are part of the US TopSeller™ Program**
- **These models have a 3-year limited warranty¹**

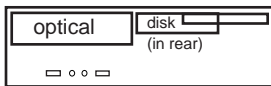
Positioning Processor	<i>Ultimate stability and manageability for small/medium businesses</i> Intel® Core™ 2 Duo Processor E8400 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, 1333MHz system bus, and 6MB shared L2 cache or Intel Core 2 Quad Processor Q9300 with quad-core (dual-core on dual-die), Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache	Small	 <p>optical disk (in rear)</p>
Implementation	Processor in FC-LGA8 package in LGA775 socket		
Memory	1GB or 2GB std , 8GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; 3 sockets available	Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette) Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, 32-bit PCI 2.3 (5v)	
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in Q35, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter	<ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 13.4" D X 3.9" H • 317mm W X 341mm D X 99mm H • 16.4 lb (7.4 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation 	
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	Security <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse • Serial port I/O control • Parallel port I/O control • Individual USB port disablement • eSATA port disablement Supports ThinkVantage® technologies RoHS-compliant Limited Warranty¹ <ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁸ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH9DO, RAID 0/1 support		
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)		
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors		
eSATA port	One external SATA (eSATA) port		
EIDE controller	None		
Diskette drive	None		
Media reader	None		
Chipset	Intel Q35 Express Chipset ; I/O Controller Hub 9 Digital Office (ICH9DO) for SATA 3.0Gb/s with RAID 0/1 support, PCI Express® x1, ethernet (MAC), PCI 2.3, USB, LPC bus / SMSC® SCH5617 Super I/O for serial, parallel, diskette, hardware monitoring (temperature, voltage, fan speed)		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Six USB 2.0, serial (9-pin), parallel (25-pin), ethernet (RJ-45), monitor (VGA DB-15), eSATA		
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Intel 82566DM (PHY layer; MAC in ICH9DO), PCIe x1, Intel AMT 3.0, Wake on LAN®, ASF2.0		
Intel AMT	Intel Active Management Technology (iAMT)		
Modem	None		
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo		
Power supply	280 watts with variable speed fan, autosensing, two diagnostic LEDs		
Preloaded operating system²⁰	Accessories		
- <i>Some:</i> Microsoft® Windows® XP Professional with Vista® COA	1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984	
- <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit)	2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985	
↕ <i>Vista models:</i> Vista Premium logo	1GB PC2-6400 NP DDR2 UDIMM	41U2977	
Preloaded applications⁵ (all OSes; only some listed)	2GB PC2-6400 NP DDR2 UDIMM	41U2978	
• Rescue and Recovery™	250GB SATA 3.0Gb/s Disk (7200 rpm)	41N3015	
• Client Security Solution™	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	
• ThinkVantage Productivity Center	USB 2.0 Lenovo Multimedia Headset	40Y8518	
• ThinkVantage System Update	USB 2.0 Lenovo Webcam	40Y8519	
• Norton Internet Security™	USB 2.0 Essential Memory Key 32GB	45K1258	
• Diskeeper® Home	USB 2.0 Ultra Secure Memory Key 8GB	45J5918	
• PC-Doctor™ (diagnostics)	USB 2.0 Portable Secure 320GB Hard Disk	43R2019	
• Microsoft Office 2007 Trial (60-day)	ThinkVision® L1940p Wide 19" Monitor	4424HB6	
• Multimedia Center for Think Offerings (DVD, DVD±RW) (XP)	ThinkVision L2240p Wide 22" Monitor	4422HB6	
• Sonic RecordNow and Drive Letter Access (DVD±RW)	ThinkVision L2440p Wide 24" Monitor	4420HB2	
• Core!® WinDVD® (DVD, DVD±RW)	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	
• Core! WinDVD Creator (DVD±RW) (XP)	Laser Tilt Wheel Mouse (USB, PS/2)	41U3074	
	Kensington Cable Lock from Lenovo	73P2582	
	ADD2 DVI-D Monitor Connection (HDCP)	43R1985	
	ATI™ Radeon™ HD 2400 Pro 128MB	43R1961	
	ATI Radeon HD 2400 XT 256MB	43R1962	
	Acc Guide in pdf lenovo.com/accessoriesguide		
	Other accessories at lenovo.com/accessories		

See footnotes for important warranty information

US models announced August 19, 2008; previous models on June 24, 2008

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(APOL2-9) September 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Memory ⁶	SATA disk	SATA optical	Graphics	eSATA port	Intel vPro	Key-board	Preload	Global Educ	Avail date
⊗	M57p	6073-B3U	2x3 Core 2 Duo E8200	2.66	6MB	1GB	160GB ²	Combo	GMA	eSATA	vPro	Pref	XP Pro		Feb 08
⊗	M57p	6073-D3U	2x3 Core 2 Duo E8400	3.00	6MB	1GB	160GB	DVD	GMA	eSATA	vPro	Pref	XP Pro		Sep 08
⊗	M57p	6073-D2U	2x3 Core 2 Duo E8400	3.00	6MB	2GB	160GB	DVD±RW	GMA+ADD2	eSATA	vPro	Pref	XP Pro		Sep 08
⊗	M57p	6073-D4U	2x3 Core 2 Duo E8400	3.00	6MB	2GB	250GB	DVD±RW	GMA	eSATA	vPro	Pref	XP Pro		Sep 08
⊗	M57p	6073-D6U	2x3 Core 2 Duo E8400	3.00	6MB	2GB	250GB	DVD±RW	GMA+ADD2	eSATA	vPro	Finger	XP Pro		Sep 08
⊗	M57p	6073-D5U	2x3 Core 2 Quad Q9300	2.50	6MB	2GB	250GB	DVD±RW	GMA+ADD2	eSATA	vPro	Pref	XP Pro		Sep 08
⊗	M57p	6073-B2U	2x3 Core 2 Duo E8200	2.66	6MB	1GB	160GB	Combo	GMA	eSATA	vPro	Pref	Bus32		Feb 08
	M57p	6073-BUU	2x3 Core 2 Duo E8200	2.66	6MB	1GB	160GB	Combo	GMA	eSATA	vPro	Pref	Bus32	Educ	Apr 08
<ul style="list-style-type: none"> Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology) These models have a 3-year limited warranty¹ 															
Positioning Processor	<p><i>Ultimate enterprise stability and manageability for large enterprise</i> Intel® Core™ 2 Duo Processor E8200 or E8400 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, 1333MHz system bus, and 6MB shared L2 cache or Intel Core 2 Quad Processor Q9300 with quad-core (dual-core on dual-die), Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA8 package in LGA775 socket</p>									<p>Small</p> 					
Implementation										<p>Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette)</p>					
Memory	<p>1GB or 2GB std, 8GB max⁸, PC2-5300 667MHz DDR2, non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; 3 sockets available</p>									<p>Slot 1: Low Profile, PCI Express x16 (35w max)* Slot 2: Low Profile, 32-bit PCI 2.3 (5v)</p>					
Graphics	<p><i>All:</i> Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in Q35, uses main memory (up to 256MB), one analog VGA DB-15 connector <i>Some:</i> ADD2 DVI-D Monitor Connection (HDCP), PCI Express[®] adapter in PCIe x16 slot, provides DVI-D connector to support second monitor, HDCP-compliant</p>									<p>* used in some models</p> <ul style="list-style-type: none"> Business black color; metal case 12.5" W X 13.4" D X 3.9" H 317mm W X 341mm D X 99mm H 16.4 lb (7.4 kg) in maximum configuration Bays 1, 2, 3 flip up (latched and pivoting) Toolless cover flips up and tilts backward on rear hinges Toolless disk, optical drive removal Toolless adapter retention Toolless systemboard retention Steel chassis supports 100 lb (45kg) monitor on top System floor stand for vertical orientation 					
SATA disk	<p>160GB or 250GB, SATA 3.0Gb/s 7200 rpm, vibration dampening</p>									<p>Security</p> <ul style="list-style-type: none"> Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard, mouse Serial port I/O control Parallel port I/O control Individual USB port disablement eSATA port disablement <p>Supports ThinkVantage® technologies</p> <p>RoHS-compliant</p> <p>Limited Warranty¹</p> <ul style="list-style-type: none"> 3-year parts and labor International Warranty Service⁹ 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) Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ThinkPlus services at lenovo.com/thinkplus/warranty 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 					
SATA controller	<p>Serial ATA, SATA 3.0Gb/s, integrated in ICH9DO, RAID 0/1 support</p>														
SATA DVD	<p><i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max⁴ Drive (41N5618)</p>														
SATA Combo	<p><i>Some:</i> CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive</p>														
SATA DVD±RW	<p><i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)</p>														
SATA cables	<p>Two SATA cables (each 1-drop to device), two SATA connectors</p>														
eSATA port	<p>One external SATA (eSATA) port</p>														
EIDE controller	<p>None</p>														
Diskette drive	<p>None</p>														
Media reader	<p>None</p>														
Chipset	<p>Intel Q35 Express Chipset; I/O Controller Hub 9 Digital Office (ICH9DO) for SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet (MAC), PCI 2.3, USB, LPC bus / SMSC[®] SCH5617 Super I/O for serial, parallel, diskette, hardware monitoring (temperature, voltage, fan speed)</p>														
Front ports	<p>Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</p>														
Rear ports	<p>Six USB 2.0, serial (9-pin), parallel (25-pin), ethernet (RJ-45), monitor (VGA DB-15, DVI-D in some models), eSATA</p>														
Internal connector	<p>Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)</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, Analog Devices AD1882 codec</p>														
Speaker	<p>One internal speaker for business audio</p>														
Ethernet	<p>Gigabit ethernet on planar, Intel 82566DM (PHY layer; MAC in ICH9DO), PCIe x1, Intel AMT 3.0, Wake on LAN[®], ASF2.0</p>														
Intel AMT	<p>Intel Active Management Technology (iAMT)</p>														
Modem	<p>None</p>														
Security chip	<p>Winbond[®] WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant</p>														
Keyboard	<p>[Finger] Lenovo[®] USB Fingerprint Keyboard (USB connector), black (one of following) [Pref] Preferred Pro USB Keyboard (USB connector), 104-key, black</p>														
Mouse	<p>Optical Wheel Mouse (USB connector), black, Lenovo logo</p>														
Power supply	<p>280 watts with variable speed fan, autosensing, two diagnostic LEDs</p>														
Preloaded operating system²⁰			Accessories												
- <i>Some:</i> Microsoft [®] Windows [®] XP Professional with Vista [®] COA			1GB PC2-5300 CL5 NP DDR2 UDIMM			73P4984									
- <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit)			2GB PC2-5300 CL5 NP DDR2 UDIMM			73P4985									
⊕ <i>Vista models:</i> Vista Basic logo			1GB PC2-6400 NP DDR2 UDIMM			41U2977									
Preloaded applications⁵ (all OSes; only some listed)			2GB PC2-6400 NP DDR2 UDIMM			41U2978									
• <i>Some:</i> Education software (Vista)			500GB SATA 3.0Gb/s Disk (7200 rpm)			43R1990									
- VitalSource Library College Edition			USB 2.0 Lenovo Multimedia Headset			40Y8518									
- Adobe [®] Instructor Resource Center			USB 2.0 Lenovo Webcam			40Y8519									
- Adobe Digital School Collection			USB 2.0 Ultra Secure Memory Key 8GB			45J5918									
- Photoshop Elements 6 (and CD)			USB 2.0 Portable Secure 320GB Hard Disk			43R2019									
- Premier Elements 4 (and DVD)			ThinkVision [®] L2440p Wide 24" Monitor			4420HB2									
- Acrobat 8 Professional (and CD)			Wireless Kbd & Opt Wheel Mouse (via USB)			73P4067									
- Contribute 4 (and CD)			Kensington Cable Lock from Lenovo			73P2582									
• Rescue and Recovery™			ADD2 DVI-D Monitor Connection (HDCP)			43R1985									
			ATI™ Radeon™ HD 2400 Pro 128MB			43R1961									
			ATI Radeon HD 2400 XT 256MB			43R1962									
			Other accessories at lenovo.com/accessories												

See footnotes for important warranty information

⊗ US models announced August 19, 2008; previous models on January 22 or March 25, 2008

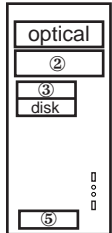
⊗ US models withdrawn effective January 2009

ThinkCentre® M57p Tower (9979) - TopSeller

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Memory ⁸	SATA disk	SATA optical	Graphics	eSATA port	Intel vPro	Preload	Vista logo	Global Educ	Avail date
M57p	9979-A1U	4x5	Core 2 Duo E8400	3.00	6MB	2GB	160GB ²	DVD±RW	GMA	None	vPro	XP Pro		None	Jun 08
M57p	9979-A2U	4x5	Core 2 Quad Q9300	2.50	6MB	2GB	160GB	DVD±RW	GMA	None	vPro	XP Pro		None	Jun 08
M57p	9979-A3U	4x5	Core 2 Duo E8400	3.00	6MB	2GB	160GB	DVD±RW	GMA	None	vPro	Bus32	Premium	None	Sep 08

• Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)
• These small and medium business (SMB) models are part of the US TopSeller™ Program
• These models have a 3-year limited warranty¹

Positioning Processor	<i>Ultimate stability and manageability for small/medium businesses</i> Intel® Core™ 2 Duo Processor E8400 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, 1333MHz system bus, and 6MB shared L2 cache or Intel Core 2 Quad Processor Q9300 with quad-core (dual-core on dual-die), Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA8 package in LGA775 socket	Tower <ul style="list-style-type: none"> Business black color; metal case 6.9" W X 17.0" D X 15.7" H 175mm W X 432mm D X 400mm H 22.5 lb (10.2 kg) in max configuration Handle on top front Toolless cover removal Toolless disk, diskette drive, optical drive removal Toolless adapter retention 
Implementation		
Memory	2GB std , 8GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets 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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk Bay ⑤ 3.5", 1" high, no access, opt disk
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in Q35, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter	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)
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH9DO, RAID 0/1 support	
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)	
SATA cables	Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA/SATA connector on planar	
eSATA port	None	
EIDE controller	None	
Diskette drive	None	
Media reader	None	
Chipset	Intel Q35 Express Chipset ; I/O Controller Hub 9 Digital Office (ICH9DO) for SATA 3.0Gb/s with RAID 0/1 support, PCI Express [®] x1, ethernet (MAC), PCI 2.3, USB, LPC bus / SMSC® SCH5617 Super I/O for serial, parallel, diskette, hardware monitoring (temperature, voltage, fan speed)	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 Hard disk password Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control Parallel port I/O control Individual USB port disablement
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)	
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec	
Speaker	One internal speaker for business audio	
Ethernet	Gigabit ethernet on planar, Intel 82566DM (PHY layer; MAC in ICH9DO), PCIe x1, Intel AMT 3.0, Wake on LAN®, ASF2.0	
Intel AMT	Intel Active Management Technology (iAMT)	
Modem	None	
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant	Supports ThinkVantage® technologies
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo	
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo	RoHS-compliant
Power supply	280 watts with variable speed fan, manual switch, two diagnostic LEDs	
Preloaded operating system²⁰	Accessories	
- <i>Some:</i> Microsoft® Windows® XP Professional with Vista® COA	1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984	↔ 3-year parts and labor
- <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit)	2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985	↔ International Warranty Service⁹
	1GB PC2-6400 NP DDR2 UDIMM 41U2977	↔ 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)
	2GB PC2-6400 NP DDR2 UDIMM 41U2978	↔ Onsite service upgrade options (in eligible locations):⁷
Preloaded applications⁵ (all OSes)	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990	• 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192)
• Rescue and Recovery™	USB 2.0 Lenovo Multimedia Headset 40Y8518	• 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193)
• Client Security Solution™	USB 2.0 Lenovo Webcam 40Y8519	• 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194)
• ThinkVantage Productivity Center	USB 2.0 Essential Memory Key 32GB 45K1258	• 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195)
• ThinkVantage System Update	USB 2.0 Ultra Secure Memory Key 8GB 45J5918	• 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196)
• System Migration Assistant	USB 2.0 Portable Secure 320GB Hard Disk 43R2019	↔ ThinkPlus services at lenovo.com/thinkplus/warranty
• Norton Internet Security™	ThinkVision® L2240p Wide 22" Monitor 4422HB6	↔ Post warranty maintenance services available
• Diskeeper® Home	ThinkVision L2440p Wide 24" Monitor 4420HB2	↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
• PC-Doctor™ (diagnostics)	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067	
• Adobe® Reader	Laser Tilt Wheel Mouse (USB, PS/2) 41U3074	
• Windows Live™ Toolbar	Kensington Cable Lock from Lenovo 73P2582	
• Windows Live Search	ADD2 DVI-D Monitor Connection (HDCP) 43R1985	
• Picasa from Google	ATI™ Radeon™ HD 2400 Pro 128MB 43R1961	
• Microsoft Office 2007 Trial (60-day)	ATI Radeon HD 2400 XT 256MB 43R1962	
• Multimedia Center for Think Offerings (DVD±RW) (XP)	ATI Radeon HD 2600 XT 512MB 43R1963	
• Sonic RecordNow and Drive Letter Access (DVD±RW)	NVIDIA® Quadro® 256MB NVS 290 43R1765	
• Corel® WinDVD® (DVD±RW)	NVIDIA Quadro 256MB FX 370 43R1766	
• Corel WinDVD Creator (DVD±RW) (XP)	NVIDIA Quadro 512MB FX 1700 43R1767	
	Acc Guide in pdf lenovo.com/accessoriesguide	
	Other accessories at lenovo.com/accessories	

See footnotes for important warranty information

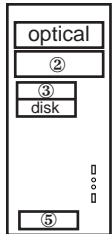
US model announced August 19, 2008; previous models on June 24, 2008

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(APOL2-10) September 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Memory ⁸	SATA disk	SATA optical	Graphics	eSATA port	Intel vPro	Preload	Global Educ	Avail date
⚡	M57p	9088-B1U	4x5	Core 2 Duo E8200	2.66	6MB 1GB	160GB ²	Combo	GMA	None	vPro	XP Pro		Feb 08
⚡	M57p	9088-D6U	4x5	Core 2 Duo E8400	3.00	6MB 1GB	160GB	DVD	GMA	None	vPro	XP Pro		Sep 08
⚡	M57p	9088-D4U	4x5	Core 2 Duo E8400	3.00	6MB 2GB	160GB	DVD±RW	GMA+ADD2	None	vPro	XP Pro		Sep 08
⚡	M57p	9088-D5U	4x5	Core 2 Duo E8400	3.00	6MB 2GB	250GB	DVD±RW	2400XT	None	vPro	XP Pro		Sep 08
⚡	M57p	9088-D3U	4x5	Core 2 Quad Q9300	2.50	6MB 2GB	160GB	DVD±RW	GMA+ADD2	None	vPro	XP Pro		Sep 08
⚡	M57p	9088-AWU	4x5	Core 2 Duo E8200	2.66	6MB 1GB	160GB	Combo	GMA	None	vPro	Business32		Feb 08
⚡	M57p	9088-BWU	4x5	Core 2 Duo E8400	3.00	6MB 1GB	160GB	DVD±RW	GMA	None	vPro	Business32	Educ	Apr 08

• Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)
 • These models have a 3-year limited warranty¹

Positioning Processor	Ultimate enterprise stability and manageability for large enterprise Intel® Core™ 2 Duo Processor E8200 or E8400 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, 1333MHz system bus, and 6MB shared L2 cache or Intel Core 2 Quad Processor Q9300 with quad-core (dual-core on dual-die), Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA8 package in LGA775 socket	Tower <ul style="list-style-type: none"> Business black color; metal case 6.9" W X 17.0" D X 15.7" H 175mm W X 432mm D X 400mm H 22.5 lb (10.2 kg) in max configuration Handle on top front Toolless cover removal Toolless disk, diskette drive, optical drive removal Toolless adapter retention 
Implementation		
Memory	1GB or 2GB std, 8GB max ⁸ , PC2-5300 667MHz DDR2, non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; 3 sockets 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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk Bay ⑤ 3.5", 1" high, no access, opt disk
Graphics	<i>Some:</i> Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in Q35, uses main memory (up to 256MB), one analog VGA DB-15 connector <i>Some:</i> ADD2 DVI-D Monitor Connection (HDCP), PCI Express® adapter in PCIe x16 slot, provides DVI-D connector to support second monitor, HDCP-compliant <i>Some:</i> ATI™ Radeon™ HD 2400 XT, PCI Express x16 adapter, 256MB, dual-head support, VGA and DVI-I connectors via dongle, S-Video out for TV-out, HDCP, DirectX® 10, ATI Avivo™, dual-link DVI, 35 watts	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) * used in some models
SATA disk	160GB or 250GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	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 Hard disk password Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control Parallel port I/O control Individual USB port disablement
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH9DO, RAID 0/1 support	
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)	
SATA Combo	<i>Some:</i> CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive	
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)	
SATA cables	Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA/SATA connector on planar	
eSATA port	None	
EIDE controller	None	
Diskette drive	None	
Media reader	None	
Chipset	Intel Q35 Express Chipset; I/O Controller Hub 9 Digital Office (ICH9DO) for SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet (MAC), PCI 2.3, USB, LPC bus / SMSC® SCH5617 Super I/O for serial, parallel, diskette, hardware monitoring (temperature, voltage, fan speed)	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Supports ThinkVantage® technologies
Rear ports	Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), D5U: monitor (VGA DB-15, DVI-I), S-Video out; Others: monitor (VGA DB-15, DVI-D in some models)	RoHS-compliant
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)	Limited Warranty¹ <ul style="list-style-type: none"> 3-year parts and labor International Warranty Service⁹ 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) Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance services available 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec	
Speaker	One internal speaker for business audio	
Ethernet	Gigabit ethernet on planar, Intel 82566DM (PHY layer; MAC in ICH9DO), PCIe x1, Intel AMT 3.0, Wake on LAN®, ASF2.0	
Intel AMT	Intel Active Management Technology (iAMT)	
Modem	None	
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo	
Power supply	280 watts with variable speed fan, manual switch, two diagnostic LEDs	
Preloaded operating system²⁰		Accessories
- <i>Some:</i> Microsoft® Windows® XP Professional with Vista® COA		1GB PC2-6400 NP DDR2 UDIMM 41U2977
- <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit)		2GB PC2-6400 NP DDR2 UDIMM 41U2978
⚡ <i>Vista models:</i> Vista Basic logo		Kensington Cable Lock from Lenovo 73P2582
Preloaded applications⁵ (all OSes; only some listed)		ADD2 DVI-D Monitor Connection (HDCP) 43R1985
• Rescue and Recovery™		ATI™ Radeon™ HD 2400 Pro 128MB 43R1961
• Norton Internet Security™		ATI Radeon HD 2400 XT 256MB 43R1962
• Diskeeper® Home		ATI Radeon HD 2600 XT 512MB 43R1963
• Microsoft Office 2007 Trial (60-day)		NVIDIA® Quadro® 256MB NVS 290 43R1765
		NVIDIA Quadro 256MB FX 370 43R1766
		NVIDIA Quadro 512MB FX 1700 43R1767
		Other accessories at lenovo.com/accessories

See footnotes for important warranty information

⚡ US models announced August 19, 2008; previous models on January 22 or March 25, 2008

⚡ US models withdrawn effective January 2009

Partial list of accessories supported on ThinkCentre M57 and M57p

Memory

M57/M57p Eco Ultra Small 6395/6397 use notebook memory:
 1GB PC2-5300 DDR2 SODIMM (notebook) 43R1763 ann 03/04/08
 2GB PC2-5300 DDR2 SODIMM (notebook) 43R1756 ann 03/04/08

M57/M57p Ultra Small 6071/9071,
 M57/M57p Small 9970/6072/9181/9967/6073/9196, and
 M57/M57p Tower 9978/6075/9174/9979/9088/9194 use desktop
 memory:

512MB PC2-5300 CL5 NP DDR2 UDIMM 73P4983 ann 06/28/05
 1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984 ann 06/28/05
 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 ann 09/26/06
 512MB PC2-6400 NP DDR2 UDIMM⁴⁸ 41U2976 ann 09/26/06
 1GB PC2-6400 NP DDR2 UDIMM⁴⁸ 41U2977 ann 09/26/06
 2GB PC2-6400 NP DDR2 UDIMM⁴⁸ 41U2978 ann 01/08/08

⁴⁸When PC2-6400 is installed with systems that have PC2-5300 memory, PC2-6400 will operate at the PC2-5300 memory speed.

Optical

M57/M57p Ultra Small 6071/9071 use
 Ultrabay™ Enhanced [12.7mm high] and Ultrabay Slim [9.5mm high]
 EIDE optical drives:
 CD-RW/DVD Combo Ultrabay Enhanced (cur)⁴⁷ 73P3275 ann 10/07/03
 ThinkPad DVD Ultrabay Slim Burner (flat)⁴⁷ 41N5643 ann 05/31/07
⁴⁷Not supported by Lenovo®

M57/M57p Eco Ultra Small 6395/6397,
 M57/M57p Small 9970/6072/9181/9967/6073/9196, and
 M57/M57p Tower 9978/6075/9174/9979/9088/9194
 support Serial ATA optical drives:
 DVD-ROM DL SATA 1.5Gb/s 16X-48X Max⁴ 41N5618 ann 09/26/06
 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 ann 09/26/06

Storage and removable storage

All:
 80GB SATA 3.0Gb/s Disk (7200 rpm) 09N4253 ann 05/19/03
 160GB SATA 3.0Gb/s Disk (7200 rpm) 09N4254 ann 05/19/03
 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 ann 01/24/06
 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 ann 11/06/07

M57/M57p Eco Ultra Small 6395/6397 support:
 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 ann 08/19/08

All:
 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 Essential Memory Key 4GB 45J7904 ann 06/24/08
 USB 2.0 Essential Memory Key 8GB 45J7905 ann 07/15/08
 USB 2.0 Essential Memory Key 32GB 45K1258 ann 10/28/08
 USB 2.0 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 Ultra Secure Memory Key 1GB 45J5915 ann 08/26/08
 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 ann 08/26/08
 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 ann 08/26/08
 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 ann 08/26/08
 USB 2.0 Portable 160GB Hard Disk 43R1784 ann 09/23/08
 USB 2.0 Portable Secure 160GB Hard Disk 43R2018 ann 11/18/08
 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ann 11/18/08
 USB 2.0 CD-RW/DVD-ROM Combo II Drive 40Y8637 ann 01/05/06
 USB 2.0 Super Multi-Burner Drive 41N5565 ann 01/23/07

Graphics

M57/M57p Small 9970/6072/9181/9967/6073/9196 support Low Profile
 35 watts max:
 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ann 11/06/07
 ATI™ Radeon™ HD 2400 Pro 128MB 43R1961 ann 11/06/07
 ATI Radeon HD 2400 XT 256MB 43R1962 ann 11/06/07

M57/M57p Tower 9978/6075/9174/9979/9088/9194 support 75 watts
 max:
 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ann 11/06/07
 ATI Radeon HD 2400 Pro 128MB 43R1961 ann 11/06/07
 ATI Radeon HD 2400 XT 256MB 43R1962 ann 11/06/07
 ATI Radeon HD 2600 XT 512MB 43R1963 ann 11/06/07
 NVIDIA® Quadro® 256MB NVS 290 43R1765 ann 12/18/07
 NVIDIA Quadro 256MB FX 370 43R1766 ann 12/18/07
 NVIDIA Quadro 512MB FX 1700 43R1767 ann 12/18/07

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

Keyboard

Preferred Pro USB Keyboard 73P5220 ann 06/21/05
 Preferred Pro Full Size PS/2 Keyboard 31P7415 ann 06/04/02
 Enhanced Performance USB Keyboard 73P2620 ann 03/23/04
 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 ann 12/07/04
 USB Travel Keyboard with UltraNav™ 31P9490 ann 04/27/04
 Lenovo USB Fingerprint Keyboard 73P4730 ann 02/22/05

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

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
 Lenovo Wireless Laser Mouse (blk, via USB) 45K1696 ann 11/25/08
 Lenovo Wireless Laser Mouse (red, via USB) 51J0198 ann 11/25/08

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

Multimedia

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

Security

Kensington® Cable Lock from Lenovo 73P2582 ann 12/29/03
 Kensington Twin Head Cable Lock 45K1620 ann 09/30/08
 USB Gemplus GemPC Smart Card Reader 41N3040 ann 02/21/06

Mounting Device

M57/M57p Eco Ultra Small 6395/6397 and M57/M57p Ultra Small
 6071/9071 support under desk mounting device:
 ThinkCentre Ultra Small Under Desk Mount 40Y8625 ann 09/06/05

Monitors

ThinkVision® L174 17" Monitor 9227AE1 ann 04/15/08
 ThinkVision L1700p 17" Monitor 9417HE2 ann 09/17/08
 ThinkVision L1900p 19" Monitor 4431HE1 ann 11/11/08
 ThinkVision L1940p Wide 19" Monitor 4424HB6 ann 09/17/08
 ThinkVision L200p Wide 20.1" Monitor 4438HB6 ann 04/15/08
 ThinkVision L2240p Wide 22" Monitor 4422HB6 ann 09/17/08
 ThinkVision L2440p Wide 24" Monitor 4420HB2 ann 09/17/08
 ThinkVision L2440x Wide 24" Monitor 4421HB2 ann 09/17/08

More information at www.lenovo.com/thinkvision

Monitor Accessories⁴⁶

M57/M57p Eco Ultra Small 6395/6397 support:
 Lenovo Vertical PC and Monitor Stand 41R4359 ann 02/19/08

All:
 ThinkVision USB Soundbar 40Y7616 ann 08/23/05
 ThinkVision Soundbar 45K1263 ann 09/16/08
 Kensington Cable Lock from Lenovo 73P2582 ann 12/29/03
 Kensington Twin Head Cable Lock 45K1620 ann 09/30/08
 Radial Arm 19K4464 ann 05/05/00

⁴⁶Compatible on selected Lenovo and ThinkVision monitors.

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

Medialess License Key (MLK)

Microsoft® Office 2007 Basic, English 43R1528 ann 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 www.lenovo.com/accessories

Accessories Guide pdf at www.lenovo.com/accessoriesguide



Lenovo ThinkCentre M58 Eco Ultra Small



Lenovo ThinkCentre M58 Eco Ultra Small with dual Lenovo ThinkVision monitors



Lenovo ThinkCentre M58 Small



Lenovo ThinkCentre M58 Small with Lenovo ThinkVision monitor



Lenovo ThinkCentre M58 Tower



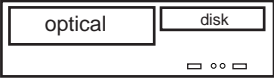
Lenovo ThinkCentre M58 Tower with dual Lenovo ThinkVision monitors

ThinkCentre® M58 Eco Ultra Small (8820) - TopSeller

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor connectors	DisplayPort dongle	ENERGY STAR 4.0	Intel vPro	Global Preload Educ	Avail date
M58	8820-A3U	1x2	Celeron E1200	1.60	2	1GB	160GB ² DVD	GMA	VGA, DP	None	ES40	No	XP Pro	No	Dec 08
M58	8820-A4U	1x2	Pentium E5200	2.50	2	1GB	160GB DVD±RW	GMA	VGA, DP	None	ES40	No	XP Pro	No	Dec 08

- **These small and medium business (SMB) models are part of the US TopSeller™ Program**
- **These models have a 3-year limited warranty¹**

Positioning Processor	<p><i>Ultimate stability for small and medium businesses</i></p> <p>Intel® Celeron® Dual-Core Processor E1200 with dual-core, 800MHz system bus, and 512KB L2 cache or Intel Pentium® Dual-Core Processor E5200 with dual-core, 800MHz system bus, and 2MB L2 cache</p> <p>Processor in FC-LGA6 package in LGA775 socket</p>		<p>Eco Ultra Small</p>  <p>Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk</p> <p>Slot 1: Low Profile, 32-bit PCI 2.3</p> <ul style="list-style-type: none"> • Business black color; metal case • 10.8" W X 9.4" D X 3.1" H • 275mm W X 238mm D X 80mm H • 9.2 lb (4.2 kg) in maximum configuration • Hinged toolless cover for easy serviceability • Toolless disk and optical drive removal • Toolless systemboard retention • System floor stand for vertical orientation
Implementation	<p>1GB std, 4GB max⁸, PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); <i>Non-italics</i>: standard memory in one socket; one socket available</p>		
Memory	<p>Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in Q45, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display</p>		<p>Security</p> <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - security slot and cover release button are combined into one latch for improved chassis security • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Individual USB port disablement <p>Supports ThinkVantage® technologies</p> <p>EPEAT™ Gold rating ENERGY STAR® 4.0-compliant GREENGUARD® certified RoHS-compliant</p> <p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
Graphics	<p>160GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts</p> <p>SATA controller Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1</p> <p>SATA DVD DVD-ROM DL SATA 1.5Gb/s 16-48X Max⁴ Drive (41N5618)</p> <p>SATA DVD±RW <i>Some</i>: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)</p> <p>SATA cables Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar</p> <p>eSATA port None</p> <p>Diskette drive None</p> <p>Media reader None</p>		
Chipset	<p>Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O</p>		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0		
Intel AMT	None		
Modem	None		
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo		
Power supply	External AC/DC adapter, 130 watts, autosensing, 87% PSU		
Preloaded operating system²⁰	<p>Accessories</p> <p>1GB PC3-8500 DDR3 SODIMM (notebook) 43R1987</p> <p>2GB PC3-8500 DDR3 SODIMM (notebook) 43R1988</p> <p>500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990</p> <p>1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918</p> <p>USB Portable Diskette Drive 05K9276</p> <p>USB 2.0 Lenovo Multimedia Headset 40Y8518</p> <p>USB 2.0 Lenovo Webcam 40Y8519</p> <p>USB 2.0 Essential Memory Key 32GB 45K1258</p> <p>USB 2.0 Ultra Secure Memory Key 2GB 45J5916</p> <p>USB 2.0 Ultra Secure Memory Key 4GB 45J5917</p> <p>USB 2.0 Ultra Secure Memory Key 8GB 45J5918</p> <p>USB 2.0 Portable 160GB Hard Disk 43R1784</p> <p>USB 2.0 Portable Secure 320GB Hard Disk 43R2019</p> <p>USB 2.0 Super Multi-Burner Drive 41N5565</p> <p>ThinkVision® L2440x Wide 24" Monitor 4421HB2</p> <p>DisplayPort to Single-link DVI-D Cable 45J7915</p> <p>ThinkCentre Ultra Small Under Desk Mount 40Y8625</p> <p>Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067</p> <p>Lenovo USB Fingerprint Keyboard 73P4730</p> <p>Laser Tilt Wheel Mouse (USB, PS/2) 41U3074</p> <p>Kensington Cable Lock from Lenovo 73P2582</p> <p>Kensington Twin Head Cable Lock 45K1620</p> <p>Acc Guide in pdf lenovo.com/accessoriesguide</p> <p>Other accessories at lenovo.com/accessories</p>		

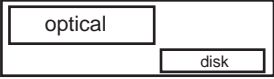
See footnotes for important warranty information
US models announced November 11, 2008

ThinkCentre® M58 Eco Ultra Small (8820) - TopSeller (January 2009)

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	ENERGY STAR 4.0	Intel vPro Preload	Global Educ	Avail date
M58	8820-A8U	1x2	Pentium E5300	2.60	2	1GB	160GB ²	DVD±RW	GMA	VGA, DP	None	ES40	No XP Pro	No	Feb 09
M58	8820-A9U	1x2	Core 2 Duo E7500	2.93	2	1GB	160GB	DVD±RW	GMA	VGA, DP	None	ES40	No XP Pro	No	Feb 09
M58	8820-A11	1x2	Core 2 Duo E7400	2.80	2	2GB	320GB	DVD±RW	GMA	VGA, DP	None	ES40	No Bus32	No	Feb 09

- **These small and medium business (SMB) models are part of the US TopSeller™ Program**
- **These models have a 3-year limited warranty¹**

Positioning Processor	<i>Ultimate stability for small and medium businesses</i> Intel® Pentium® Processor E5300 with dual-core , 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7400 or E7500 with dual-core , 1066MHz system bus, and 3MB L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket		Eco Ultra Small					
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket		Bay ① 5.25", 1.6" high, access, std optical ^{○○○}		Bay ② 3.5", 1" high, no access, std disk			
Memory	1GB or 2GB std , 4GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); <i>Non-italics</i> : standard memory in one socket; one socket available		Slot 1: Low Profile, 32-bit PCI 2.3		<ul style="list-style-type: none"> • Business black color; metal case • 10.8" W X 9.4" D X 3.1" H • 275mm W X 238mm D X 80mm H • 9.2 lb (4.2 kg) in maximum configuration • Hinged toolless cover for easy serviceability • Toolless disk and optical drive removal • Toolless systemboard retention • System floor stand for vertical orientation 			
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory (<i>XP Pro models</i> : up to 512MB [<i>1GB models</i>]; <i>Vista models</i> : up to 765MB [<i>2GB models</i>]), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display		Security <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - security slot and cover release button are combined into one latch for improved chassis security • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Individual USB port disablement 					
SATA disk	160GB or 320GB , SATA 3.0Gb/s 7200 rpm, vibration dampening		Supports ThinkVantage® technologies					
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support							
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)							
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar							
eSATA port	None		Supports ThinkVantage® technologies					
Diskette drive	None							
Media reader	None							
Chipset	Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O							
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		Supports ThinkVantage® technologies					
Rear ports	Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)							
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)							
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)							
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec							
Speaker	One internal speaker for business audio							
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0							
Intel AMT	None							
Modem	None							
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant							
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo					EPEAT™ Gold rating ENERGY STAR® 4.0-compliant GREENGUARD® certified RoHS-compliant		
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo							
Power supply	External AC/DC adapter, 130 watts, autosensing, 87% PSU							
Preloaded operating system²⁰	Accessories		Limited Warranty¹ <ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 					
- <i>Some</i> : Microsoft® Windows® XP Professional with Vista® COA	1GB PC3-8500 DDR3 SODIMM (notebook) 43R1987							
- <i>Some</i> : Microsoft Windows Vista Business Edition (32-bit)	2GB PC3-8500 DDR3 SODIMM (notebook) 43R1988							
↕ Vista Premium logo	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990							
Preloaded applications⁵ (all OSES)	1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918							
• Rescue and Recovery™	USB Portable Diskette Drive 05K9276							
• Client Security Solution™	USB 2.0 Lenovo Multimedia Headset 40Y8518							
• ThinkVantage Productivity Center	USB 2.0 Lenovo Webcam 40Y8519							
• ThinkVantage System Update	USB 2.0 Essential Memory Key 32GB 45K1258							
• ThinkVantage Power Manager	USB 2.0 Ultra Secure Memory Key 2GB 45J5916							
• Norton Internet Security™	USB 2.0 Ultra Secure Memory Key 4GB 45J5917							
(90 days of virus definitions)	USB 2.0 Ultra Secure Memory Key 8GB 45J5918							
• Diskeeper® Home	USB 2.0 Portable 160GB Hard Disk 43R1784							
• PC-Doctor™ (diagnostics)	USB 2.0 Portable 320GB Hard Disk 43R2019							
• Adobe® Reader	USB 2.0 Super Multi-Burner Drive 41N5565							
• Windows Live™ Toolbar	ThinkVision® L2440x Wide 24" Monitor 4421HB2							
• Windows Live Search	DisplayPort to Single-link DVI-D Cable 45J7915							
• Picasa from Google	Lenovo Vertical PC and Monitor Stand II 41R4474							
• Microsoft Office 2007 Trial (60-day)	ThinkCentre Ultra Small Under Desk Mount 40Y8625							
• Multimedia Center for Think Offerings (DVD±RW) (XP)	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067							
• Sonic RecordNow and Drive Letter Access (DVD±RW)	Lenovo USB Fingerprint Keyboard 73P4730							
• Corel® WinDVD® (DVD±RW)	Laser Tilt Wheel Mouse (USB, PS/2) 41U3074							
• Corel WinDVD Creator (DVD±RW) (XP)	Kensington Cable Lock from Lenovo 73P2582							
	Kensington Twin Head Cable Lock 45K1620							
	Acc Guide in pdf lenovo.com/accessoriesguide							
	Other accessories at lenovo.com/accessories							

See footnotes for important warranty information

US model announced February 12, 2009; previous models on January 20, 2009

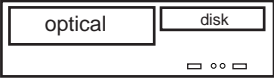
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ThinkCentre® M58 Eco Ultra Small (7359)

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	ENERGY STAR 4.0	Intel vPro	Vista preload	Global Educ	Avail date
M58	7359-A6U	1x2	Pentium E2200	2.20	2	1GB	160GB ²	DVD	GMA	VGA, DP		ES40	No	Bus32	No	Dec 08
M58	7359-AGU	1x2	Pentium E2200	2.20	2	2GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	ES40	No	Bus32	No	Dec 08
M58	7359-ABU	1x2	Pentium E2220	2.40	2	1GB	160GB	DVD±RW	GMA	VGA, DP		ES40	No	Bus32	No	Dec 08
M58	7359-ADU	1x2	Pentium E5200	2.50	2	2GB	160GB	DVD	GMA	VGA, DP	DP-to-DVI-D	ES40	No	Bus32	No	Dec 08
M58	7359-AEU	1x2	Core 2 Duo E7300	2.66	2	1GB	160GB	DVD	GMA	VGA, DP	DP-to-DVI-D	ES40	No	Bus32	No	Dec 08
M58	7359-AFU	1x2	Core 2 Duo E7300	2.66	2	2GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	ES40	No	Bus32	No	Dec 08

• **These models have a 3-year limited warranty¹**

Positioning Processor	<i>Ultimate stability for small and medium businesses</i> Intel® Pentium® Dual-Core Processor E2200 or E2220 with dual-core , 800MHz system bus, and 1MB L2 cache or Intel Pentium Dual-Core Processor E5200 with dual-core , 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7300 with dual-core , 1066MHz system bus, and 3MB L2 cache		Eco Ultra Small	
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket			
Memory	1GB or 2GB std , 4GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); <i>Italics:</i> standard memory in both 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 3.5", 1" high, no access, std disk Slot 1: Low Profile, 32-bit PCI 2.3 <ul style="list-style-type: none"> • Business black color; metal case • 10.8" W X 9.4" D X 3.1" H • 275mm W X 238mm D X 80mm H • 9.2 lb (4.2 kg) in maximum configuration • Hinged toolless cover for easy serviceability • Toolless disk and optical drive removal • Toolless systemboard retention • System floor stand for vertical orientation 	
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory (up to 253MB [<i>1GB models</i>], 765MB [<i>2GB models</i>]), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display <i>Some:</i> DisplayPort to Single-link DVI-D Cable (45J7915)			
DP dongle			Security <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - security slot and cover release button are combined into one latch for improved chassis security • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Individual USB port disablement 	
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support			
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)			
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)			
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar			
eSATA port	None			
Diskette drive	None			
Media reader	None			
Chipset	Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)			
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec			
Speaker	One internal speaker for business audio			
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0			
Intel AMT	None			
Modem	None			
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant			
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo			
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo			
Power supply	External AC/DC adapter, 130 watts, autosensing, 87% PSU			
Preloaded operating system²⁰	Accessories		Supports ThinkVantage® technologies EPEAT™ Gold rating ENERGY STAR® 4.0-compliant GREENGUARD® certified RoHS-compliant Limited Warranty¹ ⇨ 3-year parts and labor ⇨ International Warranty Service⁹ ⇨ 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) ⇨ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇨ ThinkPlus services at lenovo.com/thinkplus/warranty ⇨ Post warranty maintenance services available ⇨ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378	
- Microsoft® Windows® Vista® Business Edition (32-bit)	1GB PC3-8500 DDR3 SODIMM (notebook)	43R1987		
⇨ Vista Premium logo	2GB PC3-8500 DDR3 SODIMM (notebook)	43R1988		
Preloaded applications⁵	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990		
• Rescue and Recovery™	1TB SATA 3.0Gb/s Disk (7200 rpm)	45J7918		
• Client Security Solution™	USB Portable Diskette Drive	05K9276		
• ThinkVantage Productivity Center	USB 2.0 Lenovo Multimedia Headset	40Y8518		
• ThinkVantage System Update	USB 2.0 Lenovo Webcam	40Y8519		
• ThinkVantage Power Manager	USB 2.0 Essential Memory Key 32GB	45K1258		
• Norton Internet Security™ (90 days of virus definitions)	USB 2.0 Ultra Secure Memory Key 2GB	45J5916		
• Diskeeper® Home	USB 2.0 Ultra Secure Memory Key 4GB	45J5917		
• PC-Doctor™ (diagnostics)	USB 2.0 Ultra Secure Memory Key 8GB	45J5918		
• Adobe® Reader	USB 2.0 Portable Secure 320GB Hard Disk	43R2019		
• Windows Live™ Toolbar	USB 2.0 Super Multi-Burner Drive	41N5565		
• Windows Live Search	ThinkVision® L2440x Wide 24" Monitor	4421HB2		
• Picasa from Google	ThinkCentre Ultra Small Under Desk Mount	40Y8625		
• Microsoft Office 2007 Trial (60-day)	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067		
• Sonic RecordNow and Drive Letter Access (DVD±RW)	Lenovo USB Fingerprint Keyboard	73P4730		
• Corel® WinDVD® (DVD, DVD±RW)	Laser Tilt Wheel Mouse (USB, PS/2)	41U3074		
	Kensington Cable Lock from Lenovo	73P2582		
	Kensington Twin Head Cable Lock	45K1620		
	Acc Guide in pdf lenovo.com/accessoriesguide			
	Other accessories at lenovo.com/accessories			

See footnotes for important warranty information
US models announced November 11, 2008

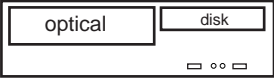
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ThinkCentre® M58 Eco Ultra Small (7637) - GMP

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	ENERGY STAR 4.0	Intel vPro	Vista preload	Global (G) GMP (P)	Avail date
M58	7637-A1U	1x2	Core 2 Duo E7400	2.80	2	2GB	160GB ²	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	ES40	No	Bus32	G P Feb 09

- **This model is part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty**

Positioning Processor	<i>Ultimate stability for small and medium businesses</i> Intel® Core™ 2 Duo Processor E7400 with dual-core, 1066MHz system bus, and 3MB L2 cache	Eco Ultra Small	
Implementation	Processor in FC-LGA8 package in LGA775 socket		
Memory	2GB std , 4GB max ⁹ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); <i>Non-italics</i> : standard memory in one socket; one socket available	Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk	
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display	Slot 1: Low Profile, 32-bit PCI 2.3	
DP dongle	DisplayPort to Single-link DVI-D Cable (45J7915)	<ul style="list-style-type: none"> • Business black color; metal case • 10.8" W X 9.4" D X 3.1" H • 275mm W X 238mm D X 80mm H • 9.2 lb (4.2 kg) in maximum configuration • Hinged toolless cover for easy serviceability • Toolless disk and optical drive removal • Toolless systemboard retention • System floor stand for vertical orientation 	
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	Security	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1		
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar		
eSATA port	None	<ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - security slot and cover release button are combined into one latch for improved chassis security • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Individual USB port disablement 	
Diskette drive	None		
Media reader	None		
Chipset	Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Supports ThinkVantage® technologies	
Rear ports	Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0		
Intel AMT	None		
Modem	None		
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	EPEAT™ Gold rating ENERGY STAR® 4.0-compliant GREENGUARD® certified RoHS-compliant	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo		
Power supply	External AC/DC adapter, 130 watts, autosensing, 87% PSU	Limited Warranty¹	
Preloaded operating system²⁰	Accessories		
- Microsoft® Windows® Vista® Business Edition (32-bit)	1GB PC3-8500 DDR3 SODIMM (notebook) 43R1987	<ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	
↕ Vista Premium logo	2GB PC3-8500 DDR3 SODIMM (notebook) 43R1988		
Preloaded applications⁵	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990		
• Rescue and Recovery™	1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918		
• Client Security Solution™	USB Portable Diskette Drive 05K9276		
• ThinkVantage Productivity Center	USB 2.0 Lenovo Multimedia Headset 40Y8518		
• ThinkVantage System Update	USB 2.0 Lenovo Webcam 40Y8519		
• ThinkVantage Power Manager	USB 2.0 Essential Memory Key 32GB 45K1258		
• Norton Internet Security™ (90 days of virus definitions)	USB 2.0 Ultra Secure Memory Key 2GB 45J5916		
• Diskeeper® Home	USB 2.0 Ultra Secure Memory Key 4GB 45J5917		
• PC-Doctor™ (diagnostics)	USB 2.0 Ultra Secure Memory Key 8GB 45J5918		
• Adobe® Reader	USB 2.0 Portable 160GB Hard Disk 43R1784		
• Windows Live™ Toolbar	USB 2.0 Portable Secure 320GB Hard Disk 43R2019		
• Windows Live Search	USB 2.0 Super Multi-Burner Drive 41N5565		
• Picasa from Google	ThinkVision® L2440x Wide 24" Monitor 4421HB2		
• Microsoft Office 2007 Trial (60-day)	Lenovo Vertical PC and Monitor Stand II 41R4474		
• Sonic RecordNow and Drive Letter Access (DVD±RW)	ThinkCentre Ultra Small Under Desk Mount 40Y8625		
• Corel® WinDVD® (DVD±RW)	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067		
	Lenovo USB Fingerprint Keyboard 73P4730		
	Laser Tilt Wheel Mouse (USB, PS/2) 41U3074		
	Kensington Cable Lock from Lenovo 73P2582		
	Kensington Twin Head Cable Lock 45K1620		
	Acc Guide in pdf lenovo.com/accessoriesguide		
	Other accessories at lenovo.com/accessories		

See footnotes for important warranty information
US model announced January 20, 2009

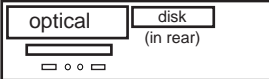
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(MLAN2-3) January 2009

ThinkCentre® M58 Small (8910) - TopSeller

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor connectors	DisplayPort dongle	Intel vPro	Preload	Global Educ	Avail date
M58	8910-A8U	2x3	Pentium E5200	2.50	2	1GB	160GB ²	DVD	GMA	VGA, DP	None	None	XP Pro	None	Nov 08
M58	8910-A9U	2x3	Core 2 Duo E7300	2.66	2	1GB	160GB	DVD±RW	GMA	VGA, DP	None	None	XP Pro	None	Nov 08
M58	8910-ABU	2x3	Core 2 Quad Q8200	2.33	4	2GB	250GB	DVD±RW	GMA	VGA, DP	None	None	XP Pro	None	Nov 08

- **These small and medium business (SMB) models are part of the US TopSeller™ Program**
- **These models have a 3-year limited warranty¹**

Positioning Processor	<p><i>Ultimate stability for small and medium businesses</i></p> <p>Intel® Pentium® Dual-Core Processor E5200 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7300 with dual-core, 1066MHz system bus, and 3MB L2 cache or Intel Core 2 Quad Processor Q8200 with quad-core, 1333MHz system bus, and 4MB L2 cache</p> <p>Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket</p>		<p>Small</p> 
Implementation	<p>Slot 1: Low Profile, PCI Express 2.0 x16</p> <p>Slot 2: Low Profile, 32-bit PCI 2.3</p>		<p>Bay ① 5.25", 1.6" high, access, std optical</p> <p>Bay ② 3.5", 1" high, no access, std disk</p> <p>Bay ③ 3.5", .5" high, access, open (reader)</p>
Memory	<p>1GB or 2GB std, 8GB max⁸, PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, four 240-pin DIMM sockets;</p> <p><i>Italics:</i> standard memory in two sockets; two sockets available;</p> <p><i>Non-italics:</i> standard memory in one socket; 3 sockets available</p>		
Graphics	<p>Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in Q45, uses main memory (up to 512MB [<i>1GB models</i>], 1GB [<i>2GB models</i>]), one analog VGA DB-15 connector, one DisplayPort™ conn (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display</p>		<p>• Business black color; metal case</p> <p>• 12.5" W X 14.0" D X 3.9" H</p> <p>• 317mm W X 355mm D X 99mm H</p> <p>• 16.5 lb (7.5 kg) in maximum configuration</p> <p>• Toolless cover flips up and tilts backward on rear hinges</p> <p>• Toolless disk, optical drive removal</p> <p>• Toolless adapter retention</p> <p>• Toolless systemboard retention</p> <p>• System floor stand for vertical orientation</p>
SATA disk	<p>160GB or 250GB, SATA 3.0Gb/s 7200 rpm, vibration dampening</p>		
SATA controller	<p>Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support</p>		<p>Security</p> <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement
SATA DVD	<p><i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max⁴ Drive (41N5618)</p>		
SATA DVD±RW	<p><i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)</p>		
SATA cables	<p>Two SATA cables (each 1-drop to device), two SATA connectors on planar</p>		
eSATA port	<p>One external SATA (eSATA) port</p>		
Diskette drive	<p>None</p>		
Media reader	<p>None</p>		
Chipset	<p>Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O</p>		
Front ports	<p>Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</p>		
Rear ports	<p>Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA</p>		
Internal connector	<p>Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)</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, Analog Devices AD1882 codec</p>		
Speaker	<p>One internal speaker for business audio</p>		
Ethernet	<p>Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0</p>		
Intel AMT	<p>None</p>		
Modem	<p>None</p>		
Security chip	<p>Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant</p>		
Keyboard	<p>Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo</p>		<p>Supports ThinkVantage® technologies</p>
Mouse	<p>Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo</p>		
Power supply	<p>280 watts with variable speed fan, autosensing, two diagnostic LEDs</p>		<p>GREENGUARD® certified</p> <p>RoHS-compliant</p>
Preloaded operating system²⁰	<p>Accessories</p>		
- Microsoft® Windows® XP Professional with Vista® COA	<p>1GB PC3-8500 DDR3 UDIMM 45J5434</p>		
◇ Disk-to-Disk Recovery (in hidden protected area)	<p>2GB PC3-8500 DDR3 UDIMM 45J5435</p>		
◇ Vista Basic logo	<p>500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990</p>		
Preloaded applications⁵	<p>1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918</p>		
• Rescue and Recovery™	<p>USB Portable Diskette Drive 05K9276</p>		
• Client Security Solution™	<p>USB 2.0 Lenovo Multimedia Headset 40Y8518</p>		
• ThinkVantage Productivity Center	<p>USB 2.0 Lenovo Webcam 40Y8519</p>		
• ThinkVantage System Update	<p>USB 2.0 Essential Memory Key 32GB 45K1258</p>		
• Norton Internet Security™ (90 days of virus definitions)	<p>USB 2.0 Security Memory Key 2GB 41U5119</p>		
• Diskeeper® Home	<p>USB 2.0 Security Memory Key 4GB 41U5120</p>		
• PC-Doctor™ (diagnostics)	<p>USB 2.0 Ultra Secure Memory Key 2GB 45J5916</p>		
• Adobe® Reader	<p>USB 2.0 Ultra Secure Memory Key 4GB 45J5917</p>		
• Windows Live™ Toolbar	<p>USB 2.0 Ultra Secure Memory Key 8GB 45J5918</p>		
• Windows Live Search	<p>USB 2.0 Portable 160GB Hard Disk 43R1784</p>		
• Picasa from Google	<p>USB 2.0 Portable Secure 320GB Hard Disk 43R2019</p>		
• Microsoft Office 2007 Trial (60-day)	<p>USB 2.0 Super Multi-Burner Drive 41N5565</p>		
• Multimedia Center for Think Offerings (DVD, DVD±RW)	<p>ThinkVision® L2440x Wide 24" Monitor 4421HB2</p>		
• Sonic RecordNow and Drive Letter Access (DVD±RW)	<p>DisplayPort to Single-link DVI-D Cable 45J7915</p>		
• Corel® WinDVD® (DVD, DVD±RW)	<p>Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067</p>		
• Corel WinDVD Creator (DVD±RW)	<p>Lenovo USB Fingerprint Keyboard 73P4730</p>		
	<p>Laser Tilt Wheel Mouse (USB, PS/2) 41U3074</p>		
	<p>Kensington Cable Lock from Lenovo 73P2582</p>		
	<p>Kensington Twin Head Cable Lock 45K1620</p>		
	<p>ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636</p>		
	<p>Acc Guide in pdf lenovo.com/accessoriesguide</p>		
	<p>Other accessories at lenovo.com/accessories</p>		
			<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

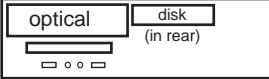
See footnotes for important warranty information
US models announced October 21, 2008

ThinkCentre® M58 Small (8910) - TopSeller (January 2009)

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor connectors	DisplayPort dongle	Intel vPro	Preload	Global Educ	Avail date
M58	8910-AFU	2x3	Pentium E5300	2.60	2	1GB	160GB ²	DVD	GMA	VGA, DP	None	None	XP Pro	None	Jan 09
M58	8910-AEU	2x3	Core 2 Duo E7500	2.93	2	1GB	160GB	DVD±RW	GMA	VGA, DP	None	None	XP Pro	None	Jan 09
M58	8910-A12	2x3	Pentium E5300	2.60	2	2GB	160GB	DVD±RW	GMA	VGA, DP	None	None	Bus32	None	Feb 09
M58	8910-A11	2x3	Core 2 Duo E7400	2.80	2	2GB	160GB	DVD±RW	GMA	VGA, DP	None	None	Bus32	None	Feb 09

- **These small and medium business (SMB) models are part of the US TopSeller™ Program**
- **These models have a 3-year limited warranty¹**

Positioning	<i>Ultimate stability for small and medium businesses</i>										Small	
Processor	Intel® Pentium® Processor E5300 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7400 or E7500 with dual-core, 1066MHz system bus, and 3MB L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket											
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket										Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader)	
Memory	1GB or 2GB std, 8GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Non-italics</i> : standard memory in one socket; 3 sockets available										Slot 1: Low Profile, PCI Express 2.0 x16 Slot 2: Low Profile, 32-bit PCI 2.3	
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory <i>(XP Pro models: up to 512MB [1GB models]; Vista models: up to 765MB [2GB models]),</i> one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display										<ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.5 lb (7.5 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, optical drive removal • Toolless adapter retention • Toolless systemboard retention • System floor stand for vertical orientation 	
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts										Security <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement 	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1											
SATA DVD	Some: DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)											
SATA DVD±RW	Some: Super Multi-Burner DL DVD±RW SATA Drive (41N5620)											
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors on planar											
eSATA port	One external SATA (eSATA) port										Supports ThinkVantage® technologies GREENGUARD® certified RoHS-compliant Limited Warranty¹ <ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	
Diskette drive	None											
Media reader	None											
Chipset	Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMC® SCH5617 Super I/O											
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)											
Rear ports	Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA											
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)											
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)											
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec											
Speaker	One internal speaker for business audio											
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0											
Intel AMT	None											
Modem	None											
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant											
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo										Supports ThinkVantage® technologies GREENGUARD® certified RoHS-compliant	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo											
Power supply	280 watts with variable speed fan, autosensing, two diagnostic LEDs											
Preloaded operating system²⁰			Accessories									
- Some: Microsoft® Windows® XP Professional with Vista® COA			1GB PC3-8500 DDR3 UDIMM			45J5434						
- Some: Microsoft Windows Vista Business Edition (32-bit)			2GB PC3-8500 DDR3 UDIMM			45J5435						
↔ Vista Premium logo			500GB SATA 3.0Gb/s Disk (7200 rpm)			43R1990						
Preloaded applications⁵ (all OSes)			1TB SATA 3.0Gb/s Disk (7200 rpm)			45J7918						
• Rescue and Recovery™			USB Portable Diskette Drive			05K9276						
• Client Security Solution™			USB 2.0 Lenovo Multimedia Headset			40Y8518						
• ThinkVantage Productivity Center			USB 2.0 Lenovo Webcam			40Y8519						
• ThinkVantage System Update			USB 2.0 Essential Memory Key 32GB			45K1258						
• ThinkVantage Power Manager			USB 2.0 Security Memory Key 2GB			41U5119						
• Norton Internet Security™ (90 days of virus definitions)			USB 2.0 Security Memory Key 4GB			41U5120						
• Diskeeper® Home			USB 2.0 Ultra Secure Memory Key 2GB			45J5916						
• PC-Doctor™ (diagnostics)			USB 2.0 Ultra Secure Memory Key 4GB			45J5917						
• Adobe® Reader			USB 2.0 Ultra Secure Memory Key 8GB			45J5918						
• Windows Live™ Toolbar			USB 2.0 Portable 160GB Hard Disk			43R1784						
• Windows Live Search			USB 2.0 Portable Secure 320GB Hard Disk			43R2019						
• Picasa from Google			USB 2.0 Super Multi-Burner Drive			41N5565						
• Microsoft Office 2007 Trial (60-day)			ThinkVision® L2440x Wide 24" Monitor			4421HB2						
• Multimedia Center for Think Offerings (DVD, DVD±RW) (XP)			DisplayPort to Single-link DVI-D Cable			45J7915						
• Sonic RecordNow and Drive Letter Access (DVD±RW)			Wireless Kbd & Opt Wheel Mouse (via USB)			73P4067						
• Corel® WinDVD® (DVD, DVD±RW)			Lenovo USB Fingerprint Keyboard			73P4730						
• Corel WinDVD Creator (DVD±RW) (XP)			Laser Tilt Wheel Mouse (USB, PS/2)			41U3074						
			Kensington Cable Lock from Lenovo			73P2582						
			Kensington Twin Head Cable Lock			45K1620						
			ATI™ Radeon™ HD 3470 256MB (DP, VGA)			45K1636						
			Acc Guide in pdf lenovo.com/accessoriesguide									
			Other accessories at lenovo.com/accessories									

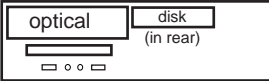
See footnotes for important warranty information

US models announced February 12, 2009; previous models on January 20, 2009

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Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁶	SATA disk	SATA optical	Graphics	Monitor connectors	DisplayPort dongle	Intel vPro	Vista preload	Global Educ	Avail date
M58	7360-AJU	2x3	Pentium E2200	2.20	2	1GB	160GB ²	DVD	GMA	VGA, DP		No	Bus32	No	Nov 08
M58	7360-ADU	2x3	Pentium E2220	2.40	2	2GB	250GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	No	Bus32	No	Nov 08
M58	7360-AKU	2x3	Pentium E5200	2.50	2	2GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	No	Bus32	No	Nov 08
M58	7360-ALU	2x3	Core 2 Duo E7300	2.66	2	1GB	160GB	DVD	GMA	VGA, DP		No	Bus32	No	Nov 08
M58	7360-APU	2x3	Core 2 Duo E7300	2.66	2	2GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	No	Bus32	No	Nov 08
M58	7360-AQU	2x3	Core 2 Duo E7300	2.66	2	2GB	250GB	DVD±RW	3470	VGA, DP	DP-to-DVI-D	No	Bus32	No	Nov 08
M58	7360-ARU	2x3	Core 2 Quad Q8200	2.33	4	2GB	250GB	DVD±RW	3470	VGA, DP	DP-to-DVI-D	No	Bus32	No	Nov 08

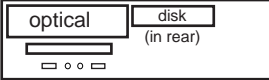
• These models have a 3-year limited warranty¹

Positioning Processor	<p><i>Ultimate stability for small and medium businesses</i></p> <p>Intel® Pentium® Dual-Core Processor E2200 or E2220 with dual-core, 800MHz system bus, and 1MB L2 cache or Intel Pentium Dual-Core Processor E5200 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7300 with dual-core, 1066MHz system bus, and 3MB L2 cache or Intel Core 2 Quad Processor Q8200 with quad-core, 1333MHz system bus, and 4MB L2 cache</p> <p>Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket</p>		<p>Small</p>  <p>Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader)</p> <p>Slot 1: Low Profile, PCI Express 2.0 x16* Slot 2: Low Profile, 32-bit PCI 2.3</p> <p>* used in some models</p> <ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.5 lb (7.5 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, optical drive removal • Toolless adapter retention • Toolless systemboard retention • System floor stand for vertical orientation
Memory	<p>1GB or 2GB std, 8GB max⁸, PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, four 240-pin DIMM sockets;</p> <p><i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; 3 sockets available</p>		<p>Security</p> <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement
Graphics	<p><i>Some:</i> Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in Q45, uses main memory (up to 253MB [1GB models], 765MB [2GB models]), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display</p> <p><i>Some:</i> ATI™ Radeon™ HD 3470, PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™, 25 watts</p>		
DP dongle	<p><i>Some:</i> DisplayPort to Single-link DVI-D Cable (45J7915)</p>		<p>Supports ThinkVantage® technologies</p> <p>GREENGUARD® certified RoHS-compliant</p> <p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
SATA disk	<p>160GB or 250GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts</p>		
SATA controller	<p>Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support</p>		
SATA DVD	<p><i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max⁴ Drive (41N5618)</p>		
SATA DVD±RW	<p><i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)</p>		
SATA cables	<p>Two SATA cables (each 1-drop to device), two SATA connectors on planar</p>		
eSATA port	<p>One external SATA (eSATA) port</p>		
Diskette drive	<p>None</p>		
Media reader	<p>None</p>		
Chipset	<p>Intel Q45 Express Chipset (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O</p>		
Front ports	<p>Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</p>		
Rear ports	<p>Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA</p>		
Internal connector	<p>Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)</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, Analog Devices AD1882 codec</p>		
Speaker	<p>One internal speaker for business audio</p>		
Ethernet	<p>Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0</p>		
Intel AMT	<p>None</p>		
Modem	<p>None</p>		
Security chip	<p>Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant</p>		
Keyboard	<p>Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo</p>		
Mouse	<p>Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo</p>		
Power supply	<p>280 watts with variable speed fan, autosensing, two diagnostic LEDs</p>		
Preloaded operating system²⁰	<p>- Microsoft® Windows® Vista® Business Edition (32-bit) ↕ Vista Premium logo</p>		
Preloaded applications⁵ (only some listed)	<p>• Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • ThinkVantage Power Manager • Norton Internet Security™ • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD, DVD±RW)</p>		
Accessories	<p>1GB PC3-8500 DDR3 UDIMM 45J5434 2GB PC3-8500 DDR3 UDIMM 45J5435 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 USB 2.0 Super Multi-Burner Drive 41N5565 ThinkVision® L2440x Wide 24" Monitor 4421HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 Kensington Twin Head Cable Lock 45K1620 ATI Radeon HD 3470 256MB (DP, VGA) 45K1636 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories</p>		

See footnotes for important warranty information
 US models announced October 21, 2008

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

• These models have a 3-year limited warranty¹

Positioning Processor	Ultimate stability for small and medium businesses Intel® Pentium® Processor E5300 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7400 or E7500 with dual-core, 1066MHz system bus, and 3MB L2 cache		Small 
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket		
Memory	1GB or 2GB std. , 8GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; 3 sockets available		Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader) Slot 1: Low Profile, PCI Express 2.0 x16* Slot 2: Low Profile, 32-bit PCI 2.3 * used in some models
Graphics	Some: Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory (<i>XP Pro:</i> up to 512MB [<i>1GB models</i>], 1GB [<i>2GB models</i>]; <i>Vista:</i> up to 765MB [<i>2GB models</i>]), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display Some: ATI™ Radeon™ HD 3470 , PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™, 25 watts		<ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.5 lb (7.5 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, optical drive removal • Toolless adapter retention • Toolless systemboard retention • System floor stand for vertical orientation
DP dongle	Some: DisplayPort to Single-link DVI-D Cable (45J7915)		Security <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement Supports ThinkVantage® technologies GREENGUARD® certified RoHS-compliant Limited Warranty¹ ⇨ 3-year parts and labor ⇨ International Warranty Service ⁹ ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Onsite service upgrade options (in eligible locations): ⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇨ ThinkPlus services at lenovo.com/thinkplus/warranty ⇨ Post warranty maintenance services available ⇨ 24 hour x 7 day ¹⁴ toll-free support during the warranty period ¹ via 800-426-7378
SATA disk	160GB or 250GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support		
SATA DVD	Some: DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)		
SATA DVD±RW	Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors on planar		
eSATA port	One external SATA (eSATA) port		
Diskette drive	None		
Media reader	None		
Chipset	Intel Q45 Express Chipset (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA		
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0		
Intel AMT	None		
Modem	None		
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo		
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo		
Power supply	280 watts with variable speed fan, autosensing, two diagnostic LEDs		
Preloaded operating system²⁰	Accessories		
- Some: Microsoft® Windows® XP Professional with Vista® COA	1GB PC3-8500 DDR3 UDIMM	45J5434	
- Some: Microsoft Windows Vista Business Edition (32-bit)	2GB PC3-8500 DDR3 UDIMM	45J5435	
⇨ Vista Premium logo	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	
Preloaded applications⁵ (all OSes; only some listed)	1TB SATA 3.0Gb/s Disk (7200 rpm)	45J7918	
• Rescue and Recovery™	USB Portable Diskette Drive	05K9276	
• Client Security Solution™	USB 2.0 Lenovo Multimedia Headset	40Y8518	
• ThinkVantage Power Manager	USB 2.0 Lenovo Webcam	40Y8519	
• Norton Internet Security™	USB 2.0 Essential Memory Key 32GB	45K1258	
• Diskeeper® Home	USB 2.0 Ultra Secure Memory Key 8GB	45J5918	
• Microsoft Office 2007 Trial (60-day)	USB 2.0 Portable 160GB Hard Disk	43R1784	
• Multimedia Center for Think Offerings (DVD, DVD±RW) (XP)	USB 2.0 Portable Secure 320GB Hard Disk	43R2019	
• Sonic RecordNow and Drive Letter Access (DVD±RW)	USB 2.0 Super Multi-Burner Drive	41N5565	
• Corel® WinDVD® (DVD, DVD±RW)	ThinkVision® L2440x Wide 24" Monitor	4421HB2	
• Corel WinDVD Creator (DVD±RW) (XP)	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	
	Laser Tilt Wheel Mouse (USB, PS/2)	41U3074	
	Kensington Cable Lock from Lenovo	73P2582	
	Kensington Twin Head Cable Lock	45K1620	
	ATI Radeon HD 3470 256MB (DP, VGA)	45K1636	
	Acc Guide in pdf lenovo.com/accessoriesguide		
	Other accessories at lenovo.com/accessories		

See footnotes for important warranty information
US models announced January 20, 2009

Name	Type-model	Slot x bay	Processor	GHz Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	ENERGY STAR 4.0	Intel vPro	Global Preload Educ	Avail date	
M58	6258-AJU	2x3	Pentium E5300	2.60	2	2GB	160GB ²	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	ES40	No	XP Pro	Feb 09
M58	6258-AKU	2x3	Core 2 Duo E7400	2.80	2	1GB	160GB	DVD	GMA	VGA, DP		ES40	No	XP Pro	Feb 09
M58	6258-AMU	2x3	Core 2 Duo E7400	2.80	2	2GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	ES40	No	XP Pro	Feb 09
M58	6258-APU	2x3	Core 2 Duo E7400	2.80	2	2GB	250GB	DVD±RW	3470	VGA, DP	DP-to-DVI-D	ES40	No	XP Pro	Feb 09
M58	6258-ALU	2x3	Core 2 Duo E7500	2.93	2	1GB	160GB	DVD	GMA	VGA, DP		ES40	No	XP Pro	Feb 09
M58	6258-ANU	2x3	Core 2 Duo E7500	2.93	2	2GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	ES40	No	XP Pro	Feb 09
M58	6258-AQU	2x3	Core 2 Duo E7500	2.93	2	2GB	250GB	DVD±RW	3470	VGA, DP	DP-to-DVI-D	ES40	No	XP Pro	Feb 09
M58	6258-ARU	2x3	Core 2 Duo E7400	2.80	2	2GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	ES40	No	Bus32 Gbl	Feb 09

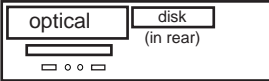
• These models have a 3-year limited warranty¹

Positioning Processor	Ultimate stability for small and medium businesses Intel® Pentium® Processor E5300 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7400 or E7500 with dual-core, 1066MHz system bus, and 3MB L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket	Small	
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket		
Memory	1GB or 2GB std , 8GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; 3 sockets available	Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader) Slot 1: Low Profile, PCI Express 2.0 x16* Slot 2: Low Profile, 32-bit PCI 2.3 * used in some models	
Graphics	Some: Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory (XP Pro: up to 512MB [1GB models], 1GB [2GB models]; Vista: up to 765MB [2GB models]), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display Some: ATI™ Radeon™ HD 3470 , PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™, 25 watts	<ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.5 lb (7.5 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, optical drive removal • Toolless adapter retention • Toolless systemboard retention • System floor stand for vertical orientation 	
DP dongle	Some: DisplayPort to Single-link DVI-D Cable (45J7915)		
SATA disk	160GB or 250GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support		
SATA DVD	Some: DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)		
SATA DVD±RW	Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors on planar		
eSATA port	One external SATA (eSATA) port		
Diskette drive	None		
Media reader	None		
Chipset	Intel Q45 Express Chipset (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA		
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0		
Intel AMT	None		
Modem	None		
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo		
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo		
Power supply	280 watts with variable speed fan, autosenesing, 85% PSU		
Preloaded operating system²⁰	- Some: Microsoft® Windows® XP Professional with Vista® COA - Some: Microsoft Windows Vista Business Edition (32-bit) † Vista Premium logo		
Preloaded applications⁵ (all OSes; only some listed)	<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage Power Manager • Norton Internet Security™ • Diskeeper® Home • Microsoft Office 2007 Trial (60-day) • Multimedia Center for Think Offerings (DVD, DVD±RW) (XP) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD, DVD±RW) • Corel WinDVD Creator (DVD±RW) (XP) 		
Accessories	1GB PC3-8500 DDR3 UDIMM 45J5434 2GB PC3-8500 DDR3 UDIMM 45J5435 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 USB 2.0 Super Multi-Burner Drive 41N5565 ThinkVision® L2440x Wide 24" Monitor 4421HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 Kensington Twin Head Cable Lock 45K1620 ATI Radeon HD 3470 256MB (DP, VGA) 45K1636 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories		
			Security <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement Supports ThinkVantage® technologies
			Climate Savers®-compliant EPEAT™ Gold rating ENERGY STAR 4.0-compliant GREENGUARD® certified RoHS-compliant
			Limited Warranty¹ <ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

See footnotes for important warranty information
US models announced January 20, 2009

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor connectors	DisplayPort dongle	Intel vPro	Vista preload	Global (G) GMP (P)	Avail date
M58	7638-A1U	2x3	Core 2 Duo E7300	2.66	2	1GB	160GB ²	DVD	GMA	VGA, DP	None	None	Bus32	G P	Jan 09

- **This model is part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty**

Positioning Processor	<i>Ultimate stability for small and medium businesses</i> Intel® Core™ 2 Duo Processor E7300 with dual-core , 1066MHz system bus, and 3MB L2 cache Processor in FC-LGA8 package in LGA775 socket										Small	
Implementation	Processor in FC-LGA8 package in LGA775 socket										Bay ① 5.25", 1.6" high, access, std optical	
Memory	1GB std , 8GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Non-italics:</i> standard memory in one socket; 3 sockets available										Bay ② 3.5", 1" high, no access, std disk	
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory (up to 253MB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display										Bay ③ 3.5", .5" high, access, open (reader)	
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts										Slot 1: Low Profile, PCI Express 2.0 x16	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1										Slot 2: Low Profile, 32-bit PCI 2.3	
SATA DVD	DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)										• Business black color; metal case	
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors										• 12.5" W X 14.0" D X 3.9" H	
eSATA port	One external SATA (eSATA) port										• 317mm W X 355mm D X 99mm H	
Diskette drive	None										• 16.5 lb (7.5 kg) in maximum configuration	
Media reader	None										• Toolless cover flips up and tilts backward on rear hinges	
Chipset	Intel Q45 Express Chipset (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O										• Toolless disk, optical drive removal	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)										• Toolless adapter retention	
Rear ports	Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA										• Toolless systemboard retention	
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)										• System floor stand for vertical orientation	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)											Security
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec											• Security chip (see information on left)
Speaker	One internal speaker for business audio											• Security slot (in rear for attachment of optional Kensington® Microsaver® cable)
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0											- optional cable also locks the cover by deactivating the cover release buttons
Intel AMT	None											• Power-on password
Modem	None											• Administrator password
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant											• Hard disk password (user and master)
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo											• Boot sequence control
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo											• Boot without diskette, keyboard
Power supply	280 watts with variable speed fan, autosensing, two diagnostic LEDs											• Serial port I/O control
												• Individual USB port disablement
Preloaded operating system²⁰	Accessories											
- Microsoft® Windows® Vista® Business Edition (32-bit)	1GB PC3-8500 DDR3 UDIMM 45J5434											
◇ Vista Premium logo	2GB PC3-8500 DDR3 UDIMM 45J5435											
Preloaded applications⁵	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990											
• Rescue and Recovery™	1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918											
• Client Security Solution™	USB Portable Diskette Drive 05K9276											
• ThinkVantage Productivity Center	USB 2.0 Lenovo Multimedia Headset 40Y8518											
• ThinkVantage System Update	USB 2.0 Lenovo Webcam 40Y8519											
• ThinkVantage Power Manager	USB 2.0 Essential Memory Key 32GB 45K1258											
• Norton Internet Security™ (90 days of virus definitions)	USB 2.0 Security Memory Key 2GB 41U5119											
• Diskeeper® Home	USB 2.0 Security Memory Key 4GB 41U5120											
• PC-Doctor™ (diagnostics)	USB 2.0 Ultra Secure Memory Key 2GB 45J5916											
• Adobe® Reader	USB 2.0 Ultra Secure Memory Key 4GB 45J5917											
• Windows Live™ Toolbar	USB 2.0 Ultra Secure Memory Key 8GB 45J5918											
• Windows Live Search	USB 2.0 Portable 160GB Hard Disk 43R1784											
• Picasa from Google	USB 2.0 Portable Secure 320GB Hard Disk 43R2019											
• Microsoft Office 2007 Trial (60-day)	USB 2.0 Super Multi-Burner Drive 41N5565											
• Corel® WinDVD® (DVD)	ThinkVision® L2440x Wide 24" Monitor 4421HB2											
	DisplayPort to Single-link DVI-D Cable 45J7915											
	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067											
	Laser Tilt Wheel Mouse (USB, PS/2) 41U3074											
	Kensington Cable Lock from Lenovo 73P2582											
	Kensington Twin Head Cable Lock 45K1620											
	ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636											
	Acc Guide in pdf lenovo.com/accessoriesguide											
	Other accessories at lenovo.com/accessories											
											Supports ThinkVantage® technologies	
											GREENGUARD® certified	
											RoHS-compliant	
											Limited Warranty¹	
											↪ 3-year parts and labor	
											↪ International Warranty Service ⁹	
											↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)	
											↪ Onsite service upgrade options (in eligible locations): ⁷	
											• 4-year LOR 9x5, Next Business Day (ThinkPlus™ part number 41C9194)	
											• 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195)	
											• 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196)	
											↪ ThinkPlus services at lenovo.com/thinkplus/warranty	
											↪ Post warranty maintenance services available	
											↪ 24 hour x 7 day ¹⁴ toll-free support during the warranty period ¹ via 800-426-7378	

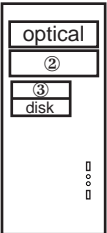
See footnotes for important warranty information
US model announced December 9, 2008

ThinkCentre® M58 Tower (9960) - TopSeller

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ³	SATA disk	SATA optical	Graphics	Monitor connectors	DisplayPort dongle	Intel vPro	Preload	Global Educ	Avail date
M58	9960-A8U	4x4	Pentium E5200	2.50	2	1GB	160GB ²	DVD	GMA	VGA, DP	None	None	XP Pro	None	Nov 08
M58	9960-A9U	4x4	Core 2 Duo E7300	2.66	2	1GB	160GB	DVD±RW	GMA	VGA, DP	None	None	XP Pro	None	Nov 08

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a 3-year limited warranty¹

Positioning Processor	<p><i>Ultimate stability for small and medium businesses</i> Intel® Pentium® Dual-Core Processor E5200 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7300 with dual-core, 1066MHz system bus, and 3MB L2 cache</p>										<p>Tower</p> <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket										
Memory	<p>1GB, 8GB max⁸, PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Non-italics:</i> standard memory in one socket; 3 sockets available</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p> <p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>
Graphics	<p>Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in Q45, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display</p>										
SATA disk	<p>160GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts</p>										<p>Security</p> <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 • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement <p>Supports ThinkVantage® technologies</p> <p>GREENGUARD® certified RoHS-compliant</p> <p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1										
SATA DVD	Some: DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)										
SATA DVD±RW	Some: Super Multi-Burner DL DVD±RW SATA Drive (41N5620)										
SATA cables	Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar										
eSATA port	None										
Diskette drive	None										
Media reader	None										
Chipset	<p>Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O</p>										
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)										
Rear ports	Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)										
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)										
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)										
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec										
Speaker	One internal speaker for business audio										
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0										
Intel AMT	None										
Modem	None										
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant										
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo										
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo										
Power supply	280 watts with variable speed fan, manual switch, two diagnostic LEDs										
Preloaded operating system²⁰	<p>- Microsoft® Windows® XP Professional with Vista® COA</p> <p>↔ Disk-to-Disk Recovery (in hidden protected area)</p> <p>↔ Vista Basic log</p>										
Preloaded applications⁵	<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Multimedia Center for Think Offerings (DVD, DVD±RW) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD, DVD±RW) • Corel WinDVD Creator (DVD±RW) 										
Accessories	<ul style="list-style-type: none"> 1GB PC3-8500 DDR3 UDIMM 45J5434 2GB PC3-8500 DDR3 UDIMM 45J5435 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 USB 2.0 Super Multi-Burner Drive 41N5565 Blu-ray Burner / HD-DVD Player SATA Drive 43R1958 ThinkVision® L2440x Wide 24" Monitor 4421HB2 DisplayPort to Single-link DVI-D Cable 45J7915 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Lenovo USB Fingerprint Keyboard 73P4730 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 Kensington Twin Head Cable Lock 45K1620 ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636 NVIDIA® GeForce® 9500GT 512MB (DP, DVI) 45K1635 NVIDIA Quadro® 256MB FX 370 43R1766 NVIDIA Quadro 512MB FX 1700 43R1767 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories 										

See footnotes for important warranty information
US models announced October 21, 2008

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(MLAN1-11) November 2008

ThinkCentre® M58 Tower (9960) - TopSeller (January 2009)

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁵	SATA disk	SATA optical	Graphics	Monitor connectors	DisplayPort dongle	Intel vPro	Preload	Global Educ	Avail date
M58	9960-ADU	4x4	Pentium E5300	2.60	2	1GB	160GB ²	DVD	GMA	VGA, DP	None	None	XP Pro	None	Jan 09
M58	9960-AEU	4x4	Pentium E5300	2.60	2	2GB	160GB	DVD±RW	GMA	VGA, DP	None	None	XP Pro	None	Jan 09
M58	9960-AFU	4x4	Core 2 Duo E7400	2.80	2	1GB	160GB	DVD±RW	GMA	VGA, DP	None	None	XP Pro	None	Jan 09
M58	9960-AGU	4x4	Core 2 Duo E7500	2.93	2	1GB	160GB	DVD±RW	GMA	VGA, DP	None	None	XP Pro	None	Jan 09
M58	9960-A71	4x4	Core 2 Duo E7400	2.80	2	2GB	160GB	DVD±RW	GMA	VGA, DP	None	None	Bus32	None	Feb 09

• **These small and medium business (SMB) models are part of the US TopSeller™ Program**
 • **These models have a 3-year limited warranty¹**

Positioning Processor	<i>Ultimate stability for small and medium businesses</i> Intel® Pentium® Processor E5300 with dual-core , 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7400 or E7500 with dual-core , 1066MHz system bus, and 3MB L2 cache	Tower <ul style="list-style-type: none"> Business black color; metal case 6.9" W X 17.3" D X 15.8" H 175mm W X 440mm D X 402mm H 24.2 lb (11.0 kg) in max configuration Handle on top front Toolless cover removal Toolless disk, diskette drive, optical drive removal Toolless adapter retention 	
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket		
Memory	1GB or 2GB , 8GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Non-italics</i> : standard memory in one socket; 3 sockets 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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk	
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory (<i>XP Pro models</i> : up to 512MB [<i>1GB models</i>], 1GB [<i>2GB models</i>]; <i>Vista models</i> : up to 765MB [<i>2GB models</i>]), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display	Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	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 Hard disk password (user and master) Boot sequence control Boot without diskette, keyboard Serial port I/O control Individual USB port disablement Supports ThinkVantage® technologies	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1		
SATA DVD	<i>Some</i> : DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)	GREENGUARD® certified RoHS-compliant	
SATA DVD±RW	<i>Some</i> : Super Multi-Burner DL DVD±RW SATA Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar	Limited Warranty¹ <ul style="list-style-type: none"> 3-year parts and labor International Warranty Service⁹ 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) Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance services available 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	
eSATA port	None		
Diskette drive	None		
Media reader	None		
Chipset	Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0		
Intel AMT	None		
Modem	None		
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo		
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo		
Power supply	280 watts with variable speed fan, manual switch, two diagnostic LEDs		
Preloaded operating system²⁰	<ul style="list-style-type: none"> <i>Some</i>: Microsoft® Windows® XP Professional with Vista® COA <i>Some</i>: Microsoft Windows Vista Business Edition (32-bit) ♦ Vista Premium logo		
Preloaded applications⁵ (all OSes)	<ul style="list-style-type: none"> Rescue and Recovery™ Client Security Solution™ ThinkVantage Productivity Center ThinkVantage System Update ThinkVantage Power Manager Norton Internet Security™ (90 days of virus definitions) Diskeeper® Home PC-Doctor™ (diagnostics) Adobe® Reader Windows Live™ Toolbar Windows Live Search Picasa from Google Microsoft Office 2007 Trial (60-day) Multimedia Center for Think Offerings (DVD, DVD±RW) (XP) Sonic RecordNow and Drive Letter Access (DVD±RW) Corel® WinDVD® (DVD, DVD±RW) Corel WinDVD Creator (DVD±RW) (XP) 		
Accessories	<ul style="list-style-type: none"> 1GB PC3-8500 DDR3 UDIMM 45J5434 2GB PC3-8500 DDR3 UDIMM 45J5435 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 USB 2.0 Super Multi-Burner Drive 41N5565 Blu-ray Burner / HD-DVD Player SATA Drive 43R1958 ThinkVision® L2440x Wide 24" Monitor 4421HB2 DisplayPort to Single-link DVI-D Cable 45J7915 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Lenovo USB Fingerprint Keyboard 73P4730 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 Kensington Twin Head Cable Lock 45K1620 ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636 NVIDIA® GeForce® 9500GT 512MB (DP, DVI) 45K1635 NVIDIA Quadro® 256MB FX 370 43R1766 NVIDIA Quadro 512MB FX 1700 43R1767 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories 		

See footnotes for important warranty information

US model announced February 12, 2009; previous models on January 20, 2009

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Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ^a	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	Chassis intr switch	Intel vPro	Vista preload	Global Educ	Avail date	
M58	7373-AMU	4x4	Celeron E1400	2.00	2	1GB	160GB ²	DVD	GMA	VGA, DP			No	Bus32	No	Nov 08	
M58	7373-ACU	4x4	Pentium E2200	2.20	2	1GB	160GB	DVD	GMA	VGA, DP		Switch	No	Bus32	No	Nov 08	
M58	7373-AGU	4x4	Pentium E2220	2.40	2	1GB	160GB	DVD±RW	GMA	VGA, DP			No	Bus32	No	Nov 08	
M58	7373-ANU	4x4	Pentium E5200	2.50	2	2GB	160GB	DVD±RW	GMA	VGA, DP			No	Bus32	No	Nov 08	
M58	7373-ABU	4x4	Core 2 Duo E7300	2.66	2	1GB	160GB	DVD	GMA	VGA, DP			No	Bus32	No	Nov 08	
M58	7373-APU	4x4	Core 2 Duo E7300	2.66	2	2GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D		No	Bus32	No	Nov 08	
<p>• These models have a 3-year limited warranty¹</p>																	
Positioning Processor		<p><i>Ultimate stability for small and medium businesses</i> Intel® Celeron® Dual-Core Processor E1400 with dual-core, 800MHz system bus, and 512KB L2 cache or Intel Pentium® Dual-Core Processor E2200 or E2220 with dual-core, 800MHz system bus, and 1MB L2 cache or Intel Pentium Dual-Core Processor E5200 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7300 with dual-core, 1066MHz system bus, and 3MB L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket</p>										<p>Tower</p> <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 					
Implementation		<p>Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Memory		<p>1GB or 2GB std, 8GB max⁸, PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; 3 sockets available</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Graphics		<p>Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in Q45, uses main memory (up to 253MB [1GB models], 765MB [2GB models]), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display <i>Some:</i> DisplayPort to Single-link DVI-D Cable (45J7915)</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
DP dongle		<p><i>Some:</i> DisplayPort to Single-link DVI-D Cable (45J7915)</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
SATA disk		<p>160GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
SATA controller		<p>Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
SATA DVD		<p><i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max⁴ Drive (41N5618)</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
SATA DVD±RW		<p><i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
SATA cables		<p>Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
eSATA port		<p>None</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Diskette drive		<p>None</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Media reader		<p>None</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Chipset		<p>Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Front ports		<p>Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Rear ports		<p>Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Internal connector		<p>Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Rear audio ports		<p>Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Audio		<p>High Definition (HD) Audio, Analog Devices AD1882 codec</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Speaker		<p>One internal speaker for business audio</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Ethernet		<p>Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Intel AMT		<p>None</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Modem		<p>None</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Security chip		<p>Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Keyboard		<p>Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Mouse		<p>Optical Wheel Mouse (USB connector), black, Lenovo logo</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Power supply		<p>280 watts with variable speed fan, manual switch, two diagnostic LEDs</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Preloaded operating system ²⁰		<p>- Microsoft® Windows® Vista® Business Edition (32-bit) ↕ Vista Premium logo</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Preloaded applications ⁵		<p>• Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • ThinkVantage Power Manager • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD, DVD±RW)</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Accessories		<p>1GB PC3-8500 DDR3 UDIMM 45J5434 2GB PC3-8500 DDR3 UDIMM 45J5435 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 Blu-ray Burner / HD-DVD Player SATA Drive 43R1958 ThinkVision® L2440x Wide 24" Monitor 4421HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Lenovo USB Fingerprint Keyboard 73P4730 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 Kensington Twin Head Cable Lock 45K1620 ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636 NVIDIA® GeForce® 9500GT 512MB (DP, DVI) 45K1635 NVIDIA Quadro® 256MB FX 370 43R1766 NVIDIA Quadro 512MB FX 1700 43R1767 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Security		<p>• Security chip (see information on left) • One lock to secure both cover and entire system to fixed object: - Padlock loop (in rear for opt padlock) - Security slot (in rear for optional Kensington® Microsaver® cable) • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement • <i>Some:</i> Chassis intrusion switch</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Supports ThinkVantage® technologies		<p>Supports ThinkVantage® technologies</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
GREENGUARD® certified		<p>GREENGUARD® certified</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
RoHS-compliant		<p>RoHS-compliant</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			
Limited Warranty ¹		<p>↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>		<p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>			

See footnotes for important warranty information
 US models announced October 21, 2008

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁶	SATA disk	SATA optical	Graphics	Monitor connectors	DisplayPort dongle	Intel vPro	Preload	Global Educ	Avail date
M58	7373-BTU	4x4	Pentium E5300	2.60	2	2GB	160GB ²	DVD±RW	GMA	VGA, DP		None	XP Pro		Feb 09
M58	7373-BUU	4x4	Core 2 Duo E7400	2.80	2	1GB	160GB	DVD	GMA	VGA, DP		None	XP Pro		Feb 09
M58	7373-BWU	4x4	Core 2 Duo E7400	2.80	2	2GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	None	XP Pro		Feb 09
M58	7373-BVU	4x4	Core 2 Duo E7500	2.93	2	1GB	160GB	DVD	GMA	VGA, DP		None	XP Pro		Feb 09
M58	7373-D1U	4x4	Core 2 Duo E7500	2.93	2	2GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	None	XP Pro		Feb 09
M58	7373-D2U	4x4	Core 2 Duo E7400	2.80	2	2GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	None	Bus32	Gbl	Feb 09

• **These models have a 3-year limited warranty¹**

Positioning Processor	<i>Ultimate stability for small and medium businesses</i> Intel® Pentium® Processor E5300 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7400 or E7500 with dual-core, 1066MHz system bus, and 3MB L2 cache		Tower		
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket		<ul style="list-style-type: none"> Business black color; metal case 6.9" W X 17.3" D X 15.8" H 175mm W X 440mm D X 402mm H 24.2 lb (11.0 kg) in max configuration Handle on top front Toolless cover removal Toolless disk, diskette drive, optical drive removal Toolless adapter retention 		
Memory	1GB or 2GB std. , 8GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; 3 sockets 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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3		
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory <i>(XP Pro models: up to 512MB [1GB models], 1GB [2GB models]; Vista models: up to 765MB [2GB models]);</i> one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display <i>Some:</i> DisplayPort to Single-link DVI-D Cable (45J7915)				
DP dongle					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 Hard disk password (user and master) Boot sequence control Boot without diskette, keyboard Serial port I/O control Individual USB port disablement Supports ThinkVantage® technologies
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts				
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1				
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)				
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)				
SATA cables	Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar				
eSATA port	None				
Diskette drive	None				
Media reader	None				
Chipset	Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O				
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)				
Rear ports	Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)				
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)				
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)				
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec				
Speaker	One internal speaker for business audio				
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0				
Intel AMT	None				
Modem	None				
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant				
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo				
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo				
Power supply	280 watts with variable speed fan, manual switch, two diagnostic LEDs				
Preloaded operating system²⁰	Accessories				
- <i>Some:</i> Microsoft® Windows® XP Professional with Vista® COA	1GB PC3-8500 DDR3 UDIMM 45J5434				
- <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit)	2GB PC3-8500 DDR3 UDIMM 45J5435				
◇ Vista Premium logo	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990				
Preloaded applications⁵ (all OSes)	1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918				
• Rescue and Recovery™	USB 2.0 Lenovo Multimedia Headset 40Y8518				
• Client Security Solution™	USB 2.0 Lenovo Webcam 40Y8519				
• ThinkVantage Productivity Center	USB 2.0 Essential Memory Key 32GB 45K1258				
• ThinkVantage System Update	USB 2.0 Ultra Secure Memory Key 2GB 45J5916				
• ThinkVantage Power Manager	USB 2.0 Ultra Secure Memory Key 4GB 45J5917				
• Norton Internet Security™	USB 2.0 Ultra Secure Memory Key 8GB 45J5918				
• Diskeeper® Home	USB 2.0 Portable 160GB Hard Disk 43R1784				
• PC-Doctor™ (diagnostics)	USB 2.0 Portable Secure 320GB Hard Disk 43R2019				
• Adobe® Reader	Blu-ray Burner / HD-DVD Player SATA Drive 43R1958				
• Windows Live™ Toolbar	ThinkVision® L2440x Wide 24" Monitor 4421HB2				
• Windows Live Search	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067				
• Picasa from Google	Lenovo USB Fingerprint Keyboard 73P4730				
• Microsoft Office 2007 Trial (60-day)	Laser Tilt Wheel Mouse (USB, PS/2) 41U3074				
• Multimedia Center for Think Offerings (DVD, DVD±RW) (XP)	Kensington Cable Lock from Lenovo 73P2582				
• Sonic RecordNow and Drive Letter Access (DVD±RW)	Kensington Twin Head Cable Lock 45K1620				
• Corel® WinDVD® (DVD, DVD±RW)	ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636				
• Corel WinDVD Creator (DVD±RW) (XP)	NVIDIA® GeForce® 9500GT 512MB (DP, DVI) 45K1635				
	NVIDIA Quadro® 256MB FX 370 43R1766				
	NVIDIA Quadro 512MB FX 1700 43R1767				
	Acc Guide in pdf lenovo.com/accessoriesguide				
	Other accessories at lenovo.com/accessories				
			Limited Warranty¹ <ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 		

See footnotes for important warranty information
US models announced January 20, 2009

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ^a	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	ENERGY STAR 4.0	Intel vPro	Global Preload Educ	Avail date
M58	6239-ALU	4x4	Pentium E5300	2.60	2	1GB	160GB ²	DVD±RW	GMA	VGA, DP		ES40	No	XP Pro	Feb 09
M58	6239-AMU	4x4	Core 2 Duo E7400	2.80	2	1GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	ES40	No	XP Pro	Feb 09
M58	6239-ANU	4x4	Core 2 Duo E7500	2.93	2	1GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	ES40	No	XP Pro	Feb 09
M58	6239-APU	4x4	Core 2 Duo E7400	2.80	2	2GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	ES40	No	Bus32	Gbl Feb 09

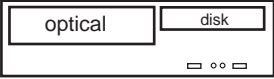
• These models have a 3-year limited warranty¹

Positioning Processor	<p><i>Ultimate stability for small and medium businesses</i> Intel® Pentium® Processor E5300 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7400 or E7500 with dual-core, 1066MHz system bus, and 3MB L2 cache</p>										<p>Tower</p> <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 		
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket										<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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p> <p>Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>		
Memory	<p>1GB or 2GB std, 8GB max⁸, PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; 3 sockets available</p>										<p>Security</p> <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 • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement 		
Graphics	<p>Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in Q45, uses main memory <i>(XP Pro models: up to 512MB [1GB models]; Vista models: up to 765MB [2GB models]);</i> one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display <i>Some: DisplayPort to Single-link DVI-D Cable (45J7915)</i></p>										<p>Supports ThinkVantage® technologies</p>		
DP dongle	<p>160GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620) Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar</p>										<p>EPEAT™ Gold rating ENERGY STAR 4.0-compliant GREENGUARD® certified RoHS-compliant</p>		
SATA disk	<p>Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar</p>												
SATA controller	None												
SATA DVD±RW	None												
SATA cables	None												
eSATA port	None												
Diskette drive	None												
Media reader	None												
Chipset	<p>Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O</p>												
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)												
Rear ports	Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)												
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)												
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)												
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec												
Speaker	One internal speaker for business audio												
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0												
Intel AMT	None												
Modem	None												
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant												
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo												
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo												
Power supply	280 watts with variable speed fan, autosensing, two diagnostic LEDs, 80% PSU												
Preloaded operating system²⁰	<ul style="list-style-type: none"> - <i>Some:</i> Microsoft® Windows® XP Professional with Vista® COA - <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit) 					<p>Accessories</p> <ul style="list-style-type: none"> 1GB PC3-8500 DDR3 UDIMM 45J5434 2GB PC3-8500 DDR3 UDIMM 45J5435 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 USB 2.0 Super Multi-Burner Drive 41N5565 Blu-ray Burner / HD-DVD Player SATA Drive 43R1958 ThinkVision® L2440x Wide 24" Monitor 4421HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Lenovo USB Fingerprint Keyboard 73P4730 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 Kensington Twin Head Cable Lock 45K1620 ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636 NVIDIA® GeForce® 9500GT 512MB (DP, DVI) 45K1635 NVIDIA Quadro® 256MB FX 370 43R1766 NVIDIA Quadro 512MB FX 1700 43R1767 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories 					<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 		

See footnotes for important warranty information
 US models announced January 20, 2009

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	ENERGY STAR 4.0	Intel vPro Preload	Global Educ	Avail date
M58p	9961-A1U	1x2	Core 2 Duo E8400	3.00	2	2GB	160GB ²	DVD±RW	GMA	VGA, DP	None	ES40	vPro XP Pro	No	Dec 08

- **Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)**
- **This small and medium business (SMB) model is part of the US TopSeller™ Program**
- **This model has a 3-year limited warranty¹**

Positioning Processor	<i>Ultimate stability/manageability for small and medium businesses</i> Intel® Core™ 2 Duo Processor E8400 with dual-core, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache		Eco Ultra Small	
Implementation	Processor in FC-LGA8 package in LGA775 socket			
Memory	2GB std , 4GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); <i>Italics:</i> standard memory in both sockets; no sockets available		Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Slot 1: Low Profile, 32-bit PCI 2.3	
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display			
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts		Security <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - security slot and cover release button are combined into one latch for improved chassis security • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Individual USB port disablement Supports ThinkVantage® technologies	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1			
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)			
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar			
eSATA port	None			
Diskette drive	None			
Media reader	None			
Chipset	Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)			
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec			
Speaker	One internal speaker for business audio			
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0			
Intel AMT	Intel Active Management Technology (iAMT)			
Modem	None			
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant			
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo			
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo			
Power supply	External AC/DC adapter, 130 watts, autosensing, 87% PSU			
Preloaded operating system²⁰	<ul style="list-style-type: none"> - Microsoft® Windows® XP Professional with Vista® COA ◇ Disk-to-Disk Recovery (in hidden protected area) ◇ Vista Basic logo 		Limited Warranty¹ <ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	
Accessories	<ul style="list-style-type: none"> 1GB PC3-8500 DDR3 SODIMM (notebook) 43R1987 2GB PC3-8500 DDR3 SODIMM (notebook) 43R1988 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 USB 2.0 Super Multi-Burner Drive 41N5565 ThinkVision® L2440x Wide 24" Monitor 4421HB2 DisplayPort to Single-link DVI-D Cable 45J7915 ThinkCentre Ultra Small Under Desk Mount 40Y8625 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Lenovo USB Fingerprint Keyboard 73P4730 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 Kensington Twin Head Cable Lock 45K1620 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories 			
Preloaded applications⁵	<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Multimedia Center for Think Offerings (DVD±RW) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD±RW) • Corel WinDVD Creator (DVD±RW) 			

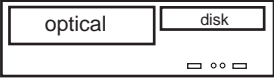
See footnotes for important warranty information
US model announced November 11, 2008

ThinkCentre® M58p Eco Ultra Small (7479)

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	ENERGY STAR 4.0	Intel vPro	Vista preload	Global Educ	Avail date
M58p	7479-A4U	1x2	Core 2 Duo E8400	3.00	2	1GB	160GB ²	DVD	GMA	VGA, DP		ES40	vPro	Bus32	No	Dec 08
M58p	7479-A3U	1x2	Core 2 Duo E8400	3.00	2	1GB	250GB	DVD±RW	GMA	VGA, DP		ES40	vPro	Bus32	No	Dec 08
M58p	7479-A6U	1x2	Core 2 Duo E8400	3.00	2	2GB	160GB	DVD±RW	GMA	VGA, DP		ES40	vPro	Bus32	No	Dec 08
M58p	7479-A8U	1x2	Core 2 Duo E8400	3.00	2	2GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	ES40	vPro	Bus32	No	Dec 08
M58p	7479-A9U	1x2	Core 2 Duo E8500	3.16	2	1GB	160GB	DVD	GMA	VGA, DP		ES40	vPro	Bus32	No	Dec 08
M58p	7479-ABU	1x2	Core 2 Duo E8500	3.16	2	2GB	160GB	DVD±RW	GMA	VGA, DP		ES40	vPro	Bus32	No	Dec 08
M58p	7479-ACU	1x2	Core 2 Duo E8500	3.16	2	2GB	250GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	ES40	vPro	Bus32	No	Dec 08

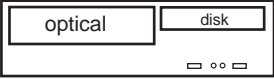
- **Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)**
- **These models have a 3-year limited warranty¹**

Positioning Processor	<i>Ultimate stability/manageability for large enterprise and mid-market</i> Intel® Core™ 2 Duo Processor E8400 or E8500 with dual-core, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache		Eco Ultra Small	
Implementation	Processor in FC-LGA8 package in LGA775 socket			
Memory	1GB or 2GB std, 4GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); <i>Some:</i> standard memory in both 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 3.5", 1" high, no access, std disk	Slot 1: Low Profile, 32-bit PCI 2.3
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in Q45, uses main memory (up to 253MB [<i>1GB models</i>], 765MB [<i>2GB models</i>]), one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX® 10, supports dual independent display <i>Some:</i> DisplayPort to Single-link DVI-D Cable (45J7915)		<ul style="list-style-type: none"> • Business black color; metal case • 10.8" W X 9.4" D X 3.1" H • 275mm W X 238mm D X 80mm H • 9.2 lb (4.2 kg) in maximum configuration • Hinged toolless cover for easy serviceability • Toolless disk and optical drive removal • Toolless systemboard retention • System floor stand for vertical orientation 	
DP dongle	None			
SATA disk	160GB or 250GB, SATA 3.0Gb/s 7200 rpm, vibration dampening		<p style="text-align: center;">Security</p> <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - security slot and cover release button are combined into one latch for improved chassis security • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Individual USB port disablement <p>Supports ThinkVantage® technologies</p> <p>EPEAT™ Gold rating ENERGY STAR® 4.0-compliant GREENGUARD® certified RoHS-compliant</p> <p style="text-align: center;">Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support			
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)			
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)			
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar			
eSATA port	None			
Diskette drive	None			
Media reader	None			
Chipset	Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)			
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec			
Speaker	One internal speaker for business audio			
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0			
Intel AMT	Intel Active Management Technology (iAMT)			
Modem	None			
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant			
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo			
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo			
Power supply	External AC/DC adapter, 130 watts, autosensing, 87% PSU			
Preloaded operating system²⁰	Accessories			
- Microsoft® Windows® Vista® Business Edition (32-bit)	1GB PC3-8500 DDR3 SODIMM (notebook) 43R1987			
◇ Vista Premium logo	2GB PC3-8500 DDR3 SODIMM (notebook) 43R1988			
Preloaded applications⁵	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990			
• Rescue and Recovery™	1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918			
• Client Security Solution™	USB Portable Diskette Drive 05K9276			
• ThinkVantage Productivity Center	USB 2.0 Lenovo Multimedia Headset 40Y8518			
• ThinkVantage System Update	USB 2.0 Lenovo Webcam 40Y8519			
• ThinkVantage Power Manager	USB 2.0 Essential Memory Key 32GB 45K1258			
• Norton Internet Security™ (90 days of virus definitions)	USB 2.0 Ultra Secure Memory Key 2GB 45J5916			
• Diskeeper® Home	USB 2.0 Ultra Secure Memory Key 4GB 45J5917			
• PC-Doctor™ (diagnostics)	USB 2.0 Ultra Secure Memory Key 8GB 45J5918			
• Adobe® Reader	USB 2.0 Portable 160GB Hard Disk 43R1784			
• Windows Live™ Toolbar	USB 2.0 Portable Secure 320GB Hard Disk 43R2019			
• Windows Live Search	USB 2.0 Super Multi-Burner Drive 41N5565			
• Picasa from Google	ThinkVision® L2440x Wide 24" Monitor 4421HB2			
• Microsoft Office 2007 Trial (60-day)	ThinkCentre Ultra Small Under Desk Mount 40Y8625			
• Sonic RecordNow and Drive Letter Access (DVD±RW)	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067			
• Corel® WinDVD® (DVD, DVD±RW)	Lenovo USB Fingerprint Keyboard 73P4730			
	Laser Tilt Wheel Mouse (USB, PS/2) 41U3074			
	Kensington Cable Lock from Lenovo 73P2582			
	Kensington Twin Head Cable Lock 45K1620			
	Acc Guide in pdf lenovo.com/accessoriesguide			
	Other accessories at lenovo.com/accessories			

See footnotes for important warranty information
US models announced November 11, 2008

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	ENERGY STAR 4.0	Intel vPro	Vista preload	Global (G) GMP (P)	Avail date
M58p	6136-A1U	1x2	Core 2 Duo E8400	3.00	2	2GB	160GB ²	DVD±RW	GMA	VGA, DP	None	ES40	vPro	Bus32	G P	Dec 08

- Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)
- This model is part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty

Positioning Processor	<i>Ultimate stability/manageability for large enterprise and mid-market</i> Intel® Core™ 2 Duo Processor E8400 with dual-core, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache		Eco Ultra Small	
Implementation	Processor in FC-LGA8 package in LGA775 socket			
Memory	2GB std , 4GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SODIMM sockets (notebook); <i>Non-italics</i> : standard memory in one socket; one socket available		Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Slot 1: Low Profile, 32-bit PCI 2.3	<ul style="list-style-type: none"> • Business black color; metal case • 10.8" W X 9.4" D X 3.1" H • 275mm W X 238mm D X 80mm H • 9.2 lb (4.2 kg) in maximum configuration • Hinged toolless cover for easy serviceability • Toolless disk and optical drive removal • Toolless systemboard retention • System floor stand for vertical orientation
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display			
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts		<p style="text-align: center;">Security</p> <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - security slot and cover release button are combined into one latch for improved chassis security • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Individual USB port disablement • Chassis intrusion switch 	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1			
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)			
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors and one eSATA connector on planar			
eSATA port	None			
Diskette drive	None			
Media reader	None			
Chipset	Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)			
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec			
Speaker	One internal speaker for business audio			
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0			
Intel AMT	Intel Active Management Technology (iAMT)			
Modem	None			
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant			
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		Supports ThinkVantage® technologies	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo			
Power supply	External AC/DC adapter, 130 watts, autosensing, 87% PSU			
Preloaded operating system²⁰	Accessories		EPEAT™ Gold rating ENERGY STAR® 4.0-compliant GREENGUARD® certified RoHS-compliant	
- Microsoft® Windows® Vista® Business Edition (32-bit)	1GB PC3-8500 DDR3 SODIMM (notebook) 43R1987			
◇ Vista Premium logo	2GB PC3-8500 DDR3 SODIMM (notebook) 43R1988			
Preloaded applications⁵	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990			
• Rescue and Recovery™	1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918			
• Client Security Solution™	USB Portable Diskette Drive 05K9276			
• ThinkVantage Productivity Center	USB 2.0 Lenovo Multimedia Headset 40Y8518			
• ThinkVantage System Update	USB 2.0 Lenovo Webcam 40Y8519			
• ThinkVantage Power Manager	USB 2.0 Essential Memory Key 32GB 45K1258			
• Norton Internet Security™ (90 days of virus definitions)	USB 2.0 Ultra Secure Memory Key 2GB 45J5916			
• Diskeeper® Home	USB 2.0 Ultra Secure Memory Key 4GB 45J5917			
• PC-Doctor™ (diagnostics)	USB 2.0 Ultra Secure Memory Key 8GB 45J5918			
• Adobe® Reader	USB 2.0 Portable 160GB Hard Disk 43R1784			
• Windows Live™ Toolbar	USB 2.0 Portable Secure 320GB Hard Disk 43R2019			
• Windows Live Search	USB 2.0 Super Multi-Burner Drive 41N5565			
• Picasa from Google	ThinkVision® L2440x Wide 24" Monitor 4421HB2			
• Microsoft Office 2007 Trial (60-day)	DisplayPort to Single-link DVI-D Cable 45J7915			
• Sonic RecordNow and Drive Letter Access (DVD±RW)	ThinkCentre Ultra Small Under Desk Mount 40Y8625			
• Corel® WinDVD® (DVD±RW)	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067			
	Lenovo USB Fingerprint Keyboard 73P4730			
	Laser Tilt Wheel Mouse (USB, PS/2) 41U3074			
	Kensington Cable Lock from Lenovo 73P2582			
	Kensington Twin Head Cable Lock 45K1620			
	Acc Guide in pdf lenovo.com/accessoriesguide			
	Other accessories at lenovo.com/accessories			
			<p style="text-align: center;">Limited Warranty¹</p> <ul style="list-style-type: none"> ⇨ 3-year parts and labor ⇨ International Warranty Service⁹ ⇨ 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) ⇨ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 4-year LOR 9x5, Next Business Day (ThinkPlus™ part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ⇨ ThinkPlus services at lenovo.com/thinkplus/warranty ⇨ Post warranty maintenance services available ⇨ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	

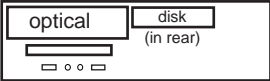
See footnotes for important warranty information
 US model announced November 11, 2008

ThinkCentre® M58p Small (9964) - TopSeller

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor connectors	DisplayPort dongle	Intel vPro	Preload	Global Educ	Avail date
M58p	9964-A1U	2x3	Core 2 Duo E8400	3.00	2	2GB	160GB ²	DVD±RW	GMA	VGA, DP	None	vPro	XP Pro	None	Nov 08
M58p	9964-A2U	2x3	Core 2 Quad Q9400	2.66	4	2GB	250GB	DVD±RW	GMA	VGA, DP	None	vPro	XP Pro	None	Nov 08

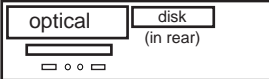
- **Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)**
- **These small and medium business (SMB) models are part of the US TopSeller™ Program**
- **These models have a 3-year limited warranty¹**

Positioning Processor	<p><i>Ultimate stability/manageability for small and medium businesses</i></p> <p>Intel® Core™ 2 Duo Processor E8400 with dual-core, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache or</p> <p>Intel Core 2 Quad Processor Q9400 with quad-core, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache</p> <p>Processor in FC-LGA8 package in LGA775 socket</p>		<p>Small</p>  <p>Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader)</p> <p>Slot 1: Low Profile, PCI Express 2.0 x16 Slot 2: Low Profile, 32-bit PCI 2.3</p> <ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.5 lb (7.5 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, optical drive removal • Toolless adapter retention • Toolless systemboard retention • System floor stand for vertical orientation
Implementation	Processor in FC-LGA8 package in LGA775 socket		<p>Security</p> <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement <p>Supports ThinkVantage® technologies</p> <p>GREENGUARD® certified RoHS-compliant</p> <p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
Memory	<p>2GB std, 8GB max⁸, PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, four 240-pin DIMM sockets;</p> <p><i>Italics:</i> standard memory in two sockets; two sockets available</p>		
Graphics	<p>Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display</p>		
SATA disk	<p>160GB or 250GB, SATA 3.0Gb/s 7200 rpm, vibration dampening</p>		
SATA controller	<p>Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1</p>		
SATA DVD±RW	<p>Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)</p>		
SATA cables	<p>Two SATA cables (each 1-drop to device), two SATA connectors on planar</p>		
eSATA port	<p>One external SATA (eSATA) port</p>		
Diskette drive	<p>None</p>		
Media reader	<p>None</p>		
Chipset	<p>Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O</p>		
Front ports	<p>Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</p>		
Rear ports	<p>Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA</p>		
Internal connector	<p>Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)</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, Analog Devices AD1882 codec</p>		
Speaker	<p>One internal speaker for business audio</p>		
Ethernet	<p>Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0</p>		
Intel AMT	<p>Intel Active Management Technology (iAMT)</p>		
Modem	<p>None</p>		
Security chip	<p>Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant</p>		
Keyboard	<p>Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo</p>		
Mouse	<p>Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo</p>		
Power supply	<p>280 watts with variable speed fan, autosenensing, two diagnostic LEDs</p>		
Preloaded operating system²⁰	<p>- Microsoft® Windows® XP Professional with Vista® COA</p> <p>↔ Disk-to-Disk Recovery (in hidden protected area)</p> <p>↔ Vista Basic logo</p>		
Preloaded applications⁵	<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Multimedia Center for Think Offerings (DVD±RW) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD±RW) • Corel WinDVD Creator (DVD±RW) 		
Accessories	<ul style="list-style-type: none"> 1GB PC3-8500 DDR3 UDIMM 45J5434 2GB PC3-8500 DDR3 UDIMM 45J5435 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Security Memory Key 2GB 41U5119 USB 2.0 Security Memory Key 4GB 41U5120 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 USB 2.0 Super Multi-Burner Drive 41N5565 ThinkVision® L2440x Wide 24" Monitor 4421HB2 DisplayPort to Single-link DVI-D Cable 45J7915 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Lenovo USB Fingerprint Keyboard 73P4730 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 Kensington Twin Head Cable Lock 45K1620 ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories 		

See footnotes for important warranty information
US models announced October 21, 2008

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁶	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	Chassis intr switch	Intel vPro	Vista preload	Global Educ	Avail date
M58p	7483-AEU	2x3	Core 2 Duo E8400	3.00	2	1GB	160GB ²	DVD	GMA	VGA, DP			vPro	Bus32		Nov 08
M58p	7483-AFU	2x3	Core 2 Duo E8400	3.00	2	1GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D		vPro	Bus32		Nov 08
M58p	7483-A7U	2x3	Core 2 Duo E8400	3.00	2	1GB	250GB	DVD±RW	GMA	VGA, DP		Switch	vPro	Bus32		Nov 08
M58p	7483-ACU	2x3	Core 2 Duo E8400	3.00	2	2GB	160GB	DVD±RW	GMA	VGA, DP			vPro	Bus32		Nov 08
M58p	7483-AGU	2x3	Core 2 Duo E8400	3.00	2	2GB	160GB	DVD±RW	GMA	VGA, DP			vPro	Bus32	Educ	Nov 08
M58p	7483-AHU	2x3	Core 2 Duo E8400	3.00	2	2GB	250GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D		vPro	Bus32		Nov 08
M58p	7483-AJU	2x3	Core 2 Duo E8500	3.16	2	1GB	250GB	DVD	GMA	VGA, DP			vPro	Bus32		Nov 08
M58p	7483-AKU	2x3	Core 2 Duo E8500	3.16	2	2GB	160GB	DVD	3470	VGA, DP	DP-to-DVI-D		vPro	Bus32		Nov 08
M58p	7483-ALU	2x3	Core 2 Duo E8500	3.16	2	2GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D		vPro	Bus32		Nov 08
M58p	7483-AMU	2x3	Core 2 Duo E8500	3.16	2	2GB	250GB	DVD±RW	3470	VGA, DP	DP-to-DVI-D		vPro	Bus32		Nov 08
M58p	7483-ANU	2x3	Core 2 Quad Q9400	2.66	4	2GB	160GB	DVD±RW	3470	VGA, DP	DP-to-DVI-D		vPro	Bus32		Nov 08

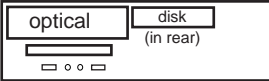
- Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)
- These models have a 3-year limited warranty¹

Positioning Processor	Ultimate stability/manageability for large enterprise and mid-market Intel® Core™ 2 Duo Processor E8400 or E8500 with dual-core, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache or Intel Core 2 Quad Processor Q9400 with quad-core, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache		Small	
Implementation	Processor in FC-LGA8 package in LGA775 socket		Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader)	
Memory	1GB or 2GB std, 8GB max ⁸ , PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; 3 sockets available		Slot 1: Low Profile, PCI Express 2.0 x16* Slot 2: Low Profile, 32-bit PCI 2.3	
Graphics	Some: Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in Q45, uses main memory (up to 253MB [1GB models], 765MB [2GB models]), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display Some: ATI™ Radeon™ HD 3470, PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™, 25 watts		• Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.5 lb (7.5 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, optical drive removal • Toolless adapter retention • Toolless systemboard retention • System floor stand for vertical orientation	
DP dongle	Some: DisplayPort to Single-link DVI-D Cable (45J7915)			
SATA disk	160GB or 250GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support			
SATA DVD	Some: DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)			
SATA DVD±RW	Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)			
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors on planar			
eSATA port	One external SATA (eSATA) port			
Diskette drive	None			
Media reader	None			
Chipset	Intel Q45 Express Chipset (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA			
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec			
Speaker	One internal speaker for business audio			
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0			
Intel AMT	Intel Active Management Technology (iAMT)			
Modem	None			
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant			
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo			
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo			
Power supply	280 watts with variable speed fan, autosenesing, two diagnostic LEDs			
Preloaded operating system ²⁰	Accessories			
- Microsoft® Windows® Vista® Business Edition (32-bit)	1GB PC3-8500 DDR3 UDIMM 45J5434			
◇ Vista Premium logo	2GB PC3-8500 DDR3 UDIMM 45J5435			
Preloaded applications ⁵ (only some listed)	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990			
• Some: Education software	1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918			
- VitalSource Library College Edition	USB 2.0 Lenovo Multimedia Headset 40Y8518			
- Adobe® Instructor Resource Center	USB 2.0 Lenovo Webcam 40Y8519			
- Adobe Digital School Collection	USB 2.0 Essential Memory Key 32GB 45K1258			
- Photoshop Elements 6 (and CD)	USB 2.0 Ultra Secure Memory Key 8GB 45J5918			
- Premier Elements 4 (and DVD)	USB 2.0 Portable Secure 320GB Hard Disk 43R2019			
- Acrobat 8 Professional (and CD)	ThinkVision® L2440x Wide 24" Monitor 4421HB2			
- Contribute 4 (and CD)	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067			
• Rescue and Recovery™	Laser Tilt Wheel Mouse (USB, PS/2) 41U3074			
• Client Security Solution™	Kensington Cable Lock from Lenovo 73P2582			
• ThinkVantage Productivity Center	ATI Radeon HD 3470 256MB (DP, VGA) 45K1636			
	Acc Guide in pdf lenovo.com/accessoriesguide			
	Other accessories at lenovo.com/accessories			
				Security
				• Security chip (see information on left)
				• Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons
				• Power-on password
				• Administrator password
				• Hard disk password (user and master)
				• Boot sequence control
				• Boot without diskette, keyboard
				• Serial port I/O control
				• Individual USB port disablement
				• Some: Chassis intrusion switch
				Supports ThinkVantage® technologies
				GREENGUARD® certified
				ROHS-compliant
				Limited Warranty ¹
				↪ 3-year parts and labor
				↪ International Warranty Service ⁹
				↪ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
				↪ Onsite service upgrade options (in eligible locations): ⁷
				• 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192)
				• 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193)
				• 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194)
				• 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195)
				• 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196)
				↪ ThinkPlus services at lenovo.com/thinkplus/warranty
				↪ 24 hour x 7 day ¹⁴ toll-free support during the warranty period ¹ via 800-426-7378

See footnotes for important warranty information
US models announced October 21, 2008

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	ENERGY STAR 4.0	Intel vPro	Vista preload	Global Educ	Avail date
M58p	7220-A6U	2x3	Core 2 Duo E8400	3.00	2	1GB	160GB ²	DVD	GMA	VGA, DP		ES40	vPro	Bus32	No	Nov 08
M58p	7220-A7U	2x3	Core 2 Duo E8400	3.00	2	2GB	250GB	DVD	3470	VGA, DP	DP-to-DVI-D	ES40	vPro	Bus32	No	Nov 08
M58p	7220-A8U	2x3	Core 2 Duo E8500	3.16	2	1GB	250GB	DVD	GMA	VGA, DP		ES40	vPro	Bus32	No	Nov 08
M58p	7220-A9U	2x3	Core 2 Duo E8500	3.16	2	2GB	250GB	DVD	3470	VGA, DP	DP-to-DVI-D	ES40	vPro	Bus32	No	Nov 08
M58p	7220-ABU	2x3	Core 2 Duo E8500	3.16	2	2GB	250GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D	ES40	vPro	Bus32	No	Nov 08

- **Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)**
- **These models have a 3-year limited warranty¹**

Positioning Processor	<i>Ultimate stability/manageability for large enterprise and mid-market</i> Intel® Core™ 2 Duo Processor E8400 or E8500 with dual-core, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache	Small	
Implementation	Processor in FC-LGA8 package in LGA775 socket		
Memory	1GB or 2GB std, 8GB max ⁸ , PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; 3 sockets available	Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader)	
Graphics	<i>Some:</i> Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in Q45, uses main memory (up to 253MB [<i>1GB models</i>], 765MB [<i>2GB models</i>]), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display <i>Some:</i> ATI™ Radeon™ HD 3470, PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™, 25 watts	Slot 1: Low Profile, PCI Express 2.0 x16* Slot 2: Low Profile, 32-bit PCI 2.3 * used in some models	
DP dongle	<i>Some:</i> DisplayPort to Single-link DVI-D Cable (45J7915)	<ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.5 lb (7.5 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, optical drive removal • Toolless adapter retention • Toolless systemboard retention • System floor stand for vertical orientation 	
SATA disk	160GB or 250GB, SATA 3.0Gb/s 7200 rpm, vibration dampening	Security	<ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1		
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)	Supports ThinkVantage® technologies	Climate Savers®-compliant EPEAT™ Gold rating ENERGY STAR 4.0-compliant GREENGUARD® certified RoHS-compliant
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors on planar	Limited Warranty¹	<ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
eSATA port	One external SATA (eSATA) port		
Diskette drive	None	Front ports Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Media reader	None	Rear ports Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA	
Chipset	Intel Q45 Express Chipset (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O	Internal connector Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo	Audio High Definition (HD) Audio, Analog Devices AD1882 codec	
Power supply	280 watts with variable speed fan, autosenesing, 85% PSU	Speaker One internal speaker for business audio	
Preloaded operating system²⁰	- Microsoft® Windows® Vista® Business Edition (32-bit) ↕ Vista Premium logo	Ethernet Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0	
Preloaded applications⁵	<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • ThinkVantage Power Manager • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD, DVD±RW) 	Intel AMT Intel Active Management Technology (iAMT)	
Accessories	1GB PC3-8500 DDR3 UDIMM 45J5434 2GB PC3-8500 DDR3 UDIMM 45J5435 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Security Memory Key 2GB 41U5119 USB 2.0 Security Memory Key 4GB 41U5120 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 USB 2.0 Super Multi-Burner Drive 41N5565 ThinkVision® L2440x Wide 24" Monitor 4421HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ATI Radeon HD 3470 256MB (DP, VGA) 45K1636 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories	Modem None Security chip Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant	

See footnotes for important warranty information
 US models announced October 21, 2008

ThinkCentre® M58p Small (6137) - GMP

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	Chassis intr switch	Intel vPro	Vista preload	Global (G) GMP (P)	Avail date
M58p	6137-A2U	2x3	Core 2 Duo E8400	3.00	2	2GB	160GB ²	DVD	GMA	VGA, DP	None		vPro	Bus32	G P	Jan 09
M58p	6137-A1U	2x3	Core 2 Duo E8400	3.00	2	2GB	160GB	DVD±RW	GMA	VGA, DP	None	Switch	vPro	Bus32	G P	Nov 08
M58p	6137-A3U	2x3	Core 2 Duo E8400	3.00	2	3GB	160GB	DVD	GMA	VGA, DP	None	Switch	vPro	Bus32	G P	Mar 09

- **Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)**
- **These models are part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty**

Positioning Processor	<i>Ultimate stability/manageability for large enterprise and mid-market</i> Intel® Core™ 2 Duo Processor E8400 with dual-core , Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache		Small	
Implementation	Processor in FC-LGA8 package in LGA775 socket			
Memory	2GB or 3GB std , 8GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available		Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader)	
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory (up to 765MB [2GB models], 1277MB [3GB models]), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display		Slot 1: Low Profile, PCI Express 2.0 x16 Slot 2: Low Profile, 32-bit PCI 2.3	
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts		Security <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement • <i>Some:</i> Chassis intrusion switch 	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1			
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)			
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA Drive (41N5620)			
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors			
eSATA port	One external SATA (eSATA) port			
Diskette drive	None			
Media reader	None			
Chipset	Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA			
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec			
Speaker	One internal speaker for business audio			
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0			
Intel AMT	Intel Active Management Technology (iAMT)			
Modem	None			
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant			
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo			
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo			
Power supply	280 watts with variable speed fan, autosensing, two diagnostic LEDs			
Preloaded operating system²⁰	- Microsoft® Windows® Vista® Business Edition (32-bit) ✦ Vista Premium logo		Supports ThinkVantage® technologies	
Preloaded applications⁵	<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • ThinkVantage Power Manager • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD, DVD±RW) 		GREENGUARD® certified RoHS-compliant	
Accessories	1GB PC3-8500 DDR3 UDIMM 45J5434 2GB PC3-8500 DDR3 UDIMM 45J5435 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Security Memory Key 2GB 41U5119 USB 2.0 Security Memory Key 4GB 41U5120 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 USB 2.0 Super Multi-Burner Drive 41N5565 ThinkVision® L2440x Wide 24" Monitor 4421HB2 DisplayPort to Single-link DVI-D Cable 45J7915 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Lenovo USB Fingerprint Keyboard 73P4730 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 Kensington Twin Head Cable Lock 45K1620 ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories		Limited Warranty¹ <ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 4-year LOR 9x5, Next Business Day (ThinkPlus™ part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	

See footnotes for important warranty information

US model announced February 17, 2009; previous models on October 21 or December 9, 2008

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ThinkCentre® M58p Small (6234) - ENERGY STAR® 4.0 (GMP)

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	ENERGY STAR 4.0	Intel vPro	Vista preload	Global (G) GMP (P)	Avail date
M58p	6234-A1U	2x3	Core 2 Duo E8400	3.00 2	2GB	160GB ²	DVD±RW	GMA	VGA, DP	None	ES40	vPro	Bus32	G P	Nov 08

- **Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)**
- **This model is part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty**

Positioning Processor	<i>Ultimate stability/manageability for large enterprise and mid-market</i> Intel® Core™ 2 Duo Processor E8400 with dual-core , Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache	Small	
Implementation	Processor in FC-LGA8 package in LGA775 socket		
Memory	2GB std , 8GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available	Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader)	
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display	Slot 1: Low Profile, PCI Express 2.0 x16 Slot 2: Low Profile, 32-bit PCI 2.3	
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	Security <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement • Chassis intrusion switch 	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1		
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors		
eSATA port	One external SATA (eSATA) port		
Diskette drive	None		
Media reader	None		
Chipset	Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), eSATA		
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0		
Intel AMT	Intel Active Management Technology (iAMT)		
Modem	None		
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo		
Power supply	280 watts with variable speed fan, autosenesing, 85% PSU		
Preloaded operating system²⁰	Accessories	Supports ThinkVantage® technologies	
- Microsoft® Windows® Vista® Business Edition (32-bit)	1GB PC3-8500 DDR3 UDIMM 45J5434	Climate Savers®-compliant	
↕ Vista Premium logo	2GB PC3-8500 DDR3 UDIMM 45J5435		
Preloaded applications⁵	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990	EPEAT™ Gold rating	
• Rescue and Recovery™	1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918	ENERGY STAR 4.0-compliant	
• Client Security Solution™	USB Portable Diskette Drive 05K9276	GREENGUARD® certified	
• ThinkVantage Productivity Center	USB 2.0 Lenovo Multimedia Headset 40Y8518	RoHS-compliant	
• ThinkVantage System Update	USB 2.0 Lenovo Webcam 40Y8519		
• ThinkVantage Power Manager	USB 2.0 Essential Memory Key 32GB 45K1258		
• Norton Internet Security™ (90 days of virus definitions)	USB 2.0 Security Memory Key 2GB 41U5119		
• Diskeeper® Home	USB 2.0 Security Memory Key 4GB 41U5120		
• PC-Doctor™ (diagnostics)	USB 2.0 Ultra Secure Memory Key 2GB 45J5916		
• Adobe® Reader	USB 2.0 Ultra Secure Memory Key 4GB 45J5917		
• Windows Live™ Toolbar	USB 2.0 Ultra Secure Memory Key 8GB 45J5918		
• Windows Live Search	USB 2.0 Portable 160GB Hard Disk 43R1784		
• Picasa from Google	USB 2.0 Portable Secure 320GB Hard Disk 43R2019		
• Microsoft Office 2007 Trial (60-day)	USB 2.0 Super Multi-Burner Drive 41N5565		
• Sonic RecordNow and Drive Letter Access (DVD±RW)	ThinkVision® L2440x Wide 24" Monitor 4421HB2		
• Corel® WinDVD® (DVD±RW)	DisplayPort to Single-link DVI-D Cable 45J7915		
	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067		
	Lenovo USB Fingerprint Keyboard 73P4730		
	Laser Tilt Wheel Mouse (USB, PS/2) 41U3074		
	Kensington Cable Lock from Lenovo 73P2582		
	Kensington Twin Head Cable Lock 45K1620		
	ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636		
	Acc Guide in pdf lenovo.com/accessoriesguide		
	Other accessories at lenovo.com/accessories		
		Limited Warranty¹	
		↔ 3-year parts and labor	
		↔ International Warranty Service⁹	
		↔ 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)	
		↔ Onsite service upgrade options (in eligible locations):⁷	
		• 4-year LOR 9x5, Next Business Day (ThinkPlus™ part number 41C9194)	
		• 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195)	
		• 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196)	
		↔ ThinkPlus services at lenovo.com/thinkplus/warranty	
		↔ Post warranty maintenance services available	
		↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378	

See footnotes for important warranty information
US model announced October 21, 2008

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Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor connectors	DisplayPort dongle	Intel vPro	Preload	Global Educ	Avail date
M58p	9965-A1U	4x4	Core 2 Duo E8400	3.00	2	2GB	160GB ²	DVD±RW	GMA	VGA, DP	None	vPro	XP Pro	None	Nov 08
M58p	9965-A2U	4x4	Core 2 Quad Q9400	2.66	4	2GB	250GB	DVD±RW	GMA	VGA, DP	None	vPro	XP Pro	None	Nov 08

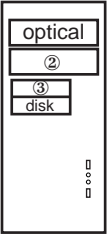
- Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)
- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a 3-year limited warranty¹

Positioning Processor	Ultimate stability/manageability for small and medium businesses Intel® Core™ 2 Duo Processor E8400 with dual-core, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache or Intel Core 2 Quad Processor Q9400 with quad-core, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache		Tower																																																		
Implementation	Processor in FC-LGA8 package in LGA775 socket		<ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 																																																		
Memory	2GB std , 8GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets 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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk																																																		
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display		Slot 1: half-length, full-height, PCIe x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3																																																		
SATA disk	160GB or 250GB , SATA 3.0Gb/s 7200 rpm, vibration dampening Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1		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 • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement Supports ThinkVantage® technologies																																																		
SATA controller	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)																																																				
SATA DVD±RW	Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar																																																				
SATA cables	None																																																				
eSATA port	None		GREENGUARD® certified RoHS-compliant																																																		
Diskette drive	None																																																				
Media reader	None																																																				
Chipset	Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O																																																				
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		Limited Warranty¹ <ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 																																																		
Rear ports	Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)																																																				
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)																																																				
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)																																																				
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec		See footnotes for important warranty information US models announced October 21, 2008																																																		
Speaker	One internal speaker for business audio																																																				
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0																																																				
Intel AMT	Intel Active Management Technology (iAMT)																																																				
Modem	None		Preloaded operating system²⁰ <ul style="list-style-type: none"> - Microsoft® Windows® XP Professional with Vista® COA ↔ Disk-to-Disk Recovery (in hidden protected area) ↔ Vista Basic logo Preloaded applications⁵ <ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Multimedia Center for Think Offerings (DVD±RW) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD±RW) • Corel WinDVD Creator (DVD±RW) Accessories <table border="0"> <tr><td>1GB PC3-8500 DDR3 UDIMM</td><td>45J5434</td></tr> <tr><td>2GB PC3-8500 DDR3 UDIMM</td><td>45J5435</td></tr> <tr><td>500GB SATA 3.0Gb/s Disk (7200 rpm)</td><td>43R1990</td></tr> <tr><td>1TB SATA 3.0Gb/s Disk (7200 rpm)</td><td>45J7918</td></tr> <tr><td>USB Portable Diskette Drive</td><td>05K9276</td></tr> <tr><td>USB 2.0 Lenovo Multimedia Headset</td><td>40Y8518</td></tr> <tr><td>USB 2.0 Lenovo Webcam</td><td>40Y8519</td></tr> <tr><td>USB 2.0 Essential Memory Key 32GB</td><td>45K1258</td></tr> <tr><td>USB 2.0 Ultra Secure Memory Key 4GB</td><td>45J5917</td></tr> <tr><td>USB 2.0 Ultra Secure Memory Key 8GB</td><td>45J5918</td></tr> <tr><td>USB 2.0 Portable 160GB Hard Disk</td><td>43R1784</td></tr> <tr><td>USB 2.0 Portable Secure 320GB Hard Disk</td><td>43R2019</td></tr> <tr><td>Blu-ray Burner / HD-DVD Player SATA Drive</td><td>43R1958</td></tr> <tr><td>ThinkVision® L2440x Wide 24" Monitor</td><td>4421HB2</td></tr> <tr><td>DisplayPort to Single-link DVI-D Cable</td><td>45J7915</td></tr> <tr><td>Wireless Kbd & Opt Wheel Mouse (via USB)</td><td>73P4067</td></tr> <tr><td>Lenovo USB Fingerprint Keyboard</td><td>73P4730</td></tr> <tr><td>Laser Tilt Wheel Mouse (USB, PS/2)</td><td>41U3074</td></tr> <tr><td>Kensington Cable Lock from Lenovo</td><td>73P2582</td></tr> <tr><td>Kensington Twin Head Cable Lock</td><td>45K1620</td></tr> <tr><td>ATI™ Radeon™ HD 3470 256MB (DP, VGA)</td><td>45K1636</td></tr> <tr><td>NVIDIA® GeForce® 9500GT 512MB (DP, DVI)</td><td>45K1635</td></tr> <tr><td>NVIDIA Quadro® 256MB FX 370</td><td>43R1766</td></tr> <tr><td>NVIDIA Quadro 512MB FX 1700</td><td>43R1767</td></tr> </table> Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories			1GB PC3-8500 DDR3 UDIMM	45J5434	2GB PC3-8500 DDR3 UDIMM	45J5435	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	1TB SATA 3.0Gb/s Disk (7200 rpm)	45J7918	USB Portable Diskette Drive	05K9276	USB 2.0 Lenovo Multimedia Headset	40Y8518	USB 2.0 Lenovo Webcam	40Y8519	USB 2.0 Essential Memory Key 32GB	45K1258	USB 2.0 Ultra Secure Memory Key 4GB	45J5917	USB 2.0 Ultra Secure Memory Key 8GB	45J5918	USB 2.0 Portable 160GB Hard Disk	43R1784	USB 2.0 Portable Secure 320GB Hard Disk	43R2019	Blu-ray Burner / HD-DVD Player SATA Drive	43R1958	ThinkVision® L2440x Wide 24" Monitor	4421HB2	DisplayPort to Single-link DVI-D Cable	45J7915	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	Lenovo USB Fingerprint Keyboard	73P4730	Laser Tilt Wheel Mouse (USB, PS/2)	41U3074	Kensington Cable Lock from Lenovo	73P2582	Kensington Twin Head Cable Lock	45K1620	ATI™ Radeon™ HD 3470 256MB (DP, VGA)	45K1636	NVIDIA® GeForce® 9500GT 512MB (DP, DVI)	45K1635	NVIDIA Quadro® 256MB FX 370	43R1766	NVIDIA Quadro 512MB FX 1700	43R1767
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NVIDIA Quadro 512MB FX 1700	43R1767																																																				
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo																																																				
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo																																																				
Power supply	280 watts with variable speed fan, manual switch, two diagnostic LEDs																																																				

See footnotes for important warranty information
 US models announced October 21, 2008

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	Chassis intr switch	Intel vPro	Vista preload	Global Educ	Avail date
M58p	7484-A9U	4x4	Core 2 Duo E8400	3.00	2	1GB	160GB ²	DVD	GMA	VGA, DP			vPro	Bus32		Nov 08
M58p	7484-AHU	4x4	Core 2 Duo E8400	3.00	2	1GB	160GB	DVD±RW	GMA	VGA, DP	DP-to-DVI-D		vPro	Bus32		Nov 08
M58p	7484-AEU	4x4	Core 2 Duo E8400	3.00	2	2GB	160GB	DVD±RW	GMA	VGA, DP			vPro	Bus32		Nov 08
M58p	7484-AGU	4x4	Core 2 Duo E8400	3.00	2	2GB	250GB	DVD	3470	VGA, DP	DP-to-DVI-D		vPro	Bus32		Nov 08
M58p	7484-A8U	4x4	Core 2 Duo E8400	3.00	2	2GB	250GB	DVD±RW	GMA	VGA, DP		Switch	vPro	Bus32		Nov 08
M58p	7484-AJU	4x4	Core 2 Duo E8500	3.16	2	1GB	160GB	DVD	GMA	VGA, DP			vPro	Bus32		Nov 08
M58p	7484-AMU	4x4	Core 2 Duo E8500	3.16	2	2GB	160GB	DVD±RW	GMA	VGA, DP			vPro	Bus32	Educ	Nov 08
M58p	7484-ALU	4x4	Core 2 Duo E8500	3.16	2	2GB	250GB	DVD	GMA	VGA, DP			vPro	Bus32		Nov 08
M58p	7484-AKU	4x4	Core 2 Duo E8500	3.16	2	2GB	250GB	DVD	3470	VGA, DP	DP-to-DVI-D		vPro	Bus32		Nov 08
M58p	7484-ANU	4x4	Core 2 Quad Q9400	2.66	4	2GB	160GB	DVD±RW	3470	VGA, DP	DP-to-DVI-D		vPro	Bus32		Nov 08

- **Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)**
- **These models have a 3-year limited warranty¹**

Positioning Processor	Ultimate stability/manageability for large enterprise and mid-market Intel® Core™ 2 Duo Processor E8400 or E8500 with dual-core, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache or Intel Core 2 Quad Processor Q9400 with quad-core, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache	Tower	
Implementation	Processor in FC-LGA8 package in LGA775 socket	<ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 	
Memory	1GB or 2GB std, 8GB max⁸, PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; 3 sockets 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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk	
Graphics	Some: Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in Q45, uses main memory (up to 253MB [1GB models], 765MB [2GB models]), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display Some: ATI™ Radeon™ HD 3470, PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™, 25 watts	Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)* Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3 * used in some models	
DP dongle	Some: DisplayPort to Single-link DVI-D Cable (45J7915)		
SATA disk	160GB or 250GB, SATA 3.0Gb/s 7200 rpm, vibration dampening		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support		
SATA DVD	Some: DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)		
SATA DVD±RW	Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar		
eSATA port	None		
Diskette drive	None		
Media reader	None		
Chipset	Intel Q45 Express Chipset (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0		
Intel AMT	Intel Active Management Technology (iAMT)		
Modem	None		
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo		
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo		
Power supply	280 watts with variable speed fan, manual switch, two diagnostic LEDs		

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

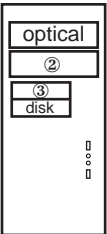
Supports ThinkVantage® technologies

GREENGUARD® certified
RoHS-compliant

- ### Limited Warranty¹
- ↔ **3-year parts and labor**
 - ↔ **International Warranty Service⁹**
 - ↔ **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)**
 - ↔ **Onsite service upgrade options (in eligible locations):⁷**
 - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
 - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
 - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
 - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
 - ↔ **Other ThinkPlus services at lenovo.com/thinkplus/warranty**
 - ↔ **24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378**

Preloaded operating system ²⁰	Accessories	
- Microsoft® Windows® Vista® Business Edition (32-bit)	1GB PC3-8500 DDR3 UDIMM	45J5434
↔ Vista Premium logo	2GB PC3-8500 DDR3 UDIMM	45J5435
	1TB SATA 3.0Gb/s Disk (7200 rpm)	45J7918
Preloaded applications⁵ (only some listed)	USB 2.0 Lenovo Multimedia Headset	40Y8518
• Some: Education software	USB 2.0 Lenovo Webcam	40Y8519
- VitalSource Library College Edition	USB 2.0 Essential Memory Key 32GB	45K1258
- Adobe® Instructor Resource Center	USB 2.0 Portable Secure 320GB Hard Disk	43R2019
- Adobe Digital School Collection	Blu-ray Burner / HD-DVD Player SATA Drive	43R1958
- Photoshop Elements 6 (and CD)	ThinkVision® L2440x Wide 24" Monitor	4421HB2
- Premier Elements 4 (and DVD)	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067
- Acrobat 8 Professional (and CD)	Kensington Cable Lock from Lenovo	73P2582
- Contribute 4 (and CD)	ATI Radeon HD 3470 256MB (DP, VGA)	45K1636
• Rescue and Recovery™	NVIDIA® GeForce® 9500GT 512MB (DP, DVI)	45K1635
• Client Security Solution™	NVIDIA Quadro® 256MB FX 370	43R1766
• ThinkVantage Productivity Center	NVIDIA Quadro 512MB FX 1700	43R1767
• ThinkVantage System Update	Other accessories at lenovo.com/accessories	

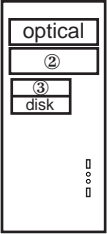
See footnotes for important warranty information
US models announced October 21, 2008

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	ENERGY STAR 4.0	Intel vPro	Vista preload	Global Educ	Avail date	
M58p	7188-ABU	4x4	Core 2 Duo E8400	3.00	2	1GB	160GB ²	DVD	GMA	VGA, DP		ES40	vPro	Bus32	No	Nov 08	
M58p	7188-ABU	4x4	Core 2 Duo E8400	3.00	2	1GB	160GB	DVD±RW	GMA	VGA, DP		ES40	vPro	Bus32	No	Nov 08	
M58p	7188-A9U	4x4	Core 2 Duo E8400	3.00	2	2GB	250GB	DVD	3470	VGA, DP	DP-to-DVI-D	ES40	vPro	Bus32	No	Nov 08	
M58p	7188-ACU	4x4	Core 2 Duo E8500	3.16	2	1GB	160GB	DVD	GMA	VGA, DP		ES40	vPro	Bus32	No	Nov 08	
M58p	7188-AEU	4x4	Core 2 Duo E8500	3.16	2	1GB	250GB	DVD±RW	3470	VGA, DP	DP-to-DVI-D	ES40	vPro	Bus32	No	Nov 08	
M58p	7188-ADU	4x4	Core 2 Duo E8500	3.16	2	2GB	250GB	DVD	3470	VGA, DP		ES40	vPro	Bus32	No	Nov 08	
<ul style="list-style-type: none"> • Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology) • These models have a 3-year limited warranty¹ 																	
Positioning	<i>Ultimate stability/manageability for large enterprise and mid-market</i>										Tower						
Processor	Intel® Core™ 2 Duo Processor E8400 or E8500 with dual-core, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache										<ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 						
Implementation	Processor in FC-LGA8 package in LGA775 socket										<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, open (reader/diskette) • Bay ④ 3.5", 1" high, no access, std disk 						
Memory	1GB or 2GB std, 8GB max ⁸ , PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; 3 sockets available										<ul style="list-style-type: none"> • Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)* • Slot 2: half-length, full-height, PCIe x1 • Slot 3: half-length, full-height, 32-bit PCI 2.3 • Slot 4: half-length, full-height, 32-bit PCI 2.3 						
Graphics	<i>Some:</i> Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in Q45, uses main memory (up to 253MB [1GB models], 765MB [2GB models]), one analog VGA DB-15 connector, one DisplayPort™ conn, HDCP, DirectX® 10, supports dual independent display <i>Some:</i> ATI™ Radeon™ HD 3470, PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort connector, HDCP, DirectX 10.1, ATI Avivo™, 25 watts										* used in some models		<p align="center">Security</p> <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 • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement <p align="center">Supports ThinkVantage® technologies</p> <p align="center">EPEAT™ Gold rating ENERGY STAR 4.0-compliant GREENGUARD® certified RoHS-compliant</p> <p align="center">Limited Warranty¹</p> <ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ 				
DP dongle	<i>Some:</i> DisplayPort to Single-link DVI-D Cable (45J7915)																
SATA disk	160GB or 250GB, SATA 3.0Gb/s 7200 rpm, vibration dampening																
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1																
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)																
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA Drive (41N5620)																
SATA cables	Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar																
eSATA port	None																
Diskette drive	None																
Media reader	None																
Chipset	Intel Q45 Express Chipset (PCI Express 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O																
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																
Rear ports	Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)																
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)																
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)																
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec																
Speaker	One internal speaker for business audio																
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0																
Intel AMT	Intel Active Management Technology (iAMT)																
Modem	None																
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant																
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo																
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo																
Power supply	280 watts with variable speed fan, autosenesing, two diagnostic LEDs, 80% PSU																
Preloaded operating system²⁰			Accessories														
- Microsoft® Windows® Vista® Business Edition (32-bit)			1GB PC3-8500 DDR3 UDIMM			45J5434											
↔ Vista Premium logo			2GB PC3-8500 DDR3 UDIMM			45J5435											
Preloaded applications⁵			500GB SATA 3.0Gb/s Disk (7200 rpm)			43R1990											
• Rescue and Recovery™			1TB SATA 3.0Gb/s Disk (7200 rpm)			45J7918											
• Client Security Solution™			USB 2.0 Lenovo Multimedia Headset			40Y8518											
• ThinkVantage Productivity Center			USB 2.0 Lenovo Webcam			40Y8519											
• ThinkVantage System Update			USB 2.0 Essential Memory Key 32GB			45K1258											
• ThinkVantage Power Manager			USB 2.0 Ultra Secure Memory Key 8GB			45J5918											
• Norton Internet Security™ (90 days of virus definitions)			USB 2.0 Portable Secure 320GB Hard Disk			43R2019											
• Diskeeper® Home			USB 2.0 Super Multi-Burner Drive			41N5565											
• PC-Doctor™ (diagnostics)			Blu-ray Burner / HD-DVD Player SATA Drive			43R1958											
• Adobe® Reader			ThinkVision® L2440x Wide 24" Monitor			4421HB2											
• Windows Live™ Toolbar			Wireless Kbd & Opt Wheel Mouse (via USB)			73P4067											
• Windows Live Search			Lenovo USB Fingerprint Keyboard			73P4730											
• Picasa from Google			Laser Tilt Wheel Mouse (USB, PS/2)			41U3074											
• Microsoft Office 2007 Trial (60-day)			Kensington Cable Lock from Lenovo			73P2582											
• Sonic RecordNow and Drive Letter Access (DVD±RW)			Kensington Twin Head Cable Lock			45K1620											
• Corel® WinDVD® (DVD, DVD±RW)			ATI Radeon HD 3470 256MB (DP, VGA)			45K1636											
			NVIDIA® GeForce® 9500GT 512MB (DP, DVI)			45K1635											
			NVIDIA Quadro® 256MB FX 370			43R1766											
			NVIDIA Quadro 512MB FX 1700			43R1767											
			Acc Guide in pdf lenovo.com/accessoriesguide														
			Other accessories at lenovo.com/accessories														

See footnotes for important warranty information
US models announced October 21, 2008

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ³	SATA disk	SATA optical	Graphics	Monitor connectors	DisplayPort dongle	Intel vPro	Vista preload	Global (G) GMP (P)	Avail date
M58p	6138-A1U	4x4	Core 2 Duo E8400	3.00	2	2GB	160GB ²	DVD±RW	GMA	VGA, DP	None	vPro	Bus32	G P	Nov 08

- **Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)**
- **This model is part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty**

Positioning Processor	<i>Ultimate stability/manageability for large enterprise and mid-market</i> Intel® Core™ 2 Duo Processor E8400 with dual-core , Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache										Tower <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 
Implementation	Processor in FC-LGA8 package in LGA775 socket										
Memory	2GB std, 8GB max⁸, PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available										
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display										
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts										Bay ① 5.25", 1.6" high, access, std optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1										Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max)
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)										Slot 2: half-length, full-height, PCIe x1
SATA cables	Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar										Slot 3: half-length, full-height, 32-bit PCI 2.3
eSATA port	None										Slot 4: half-length, full-height, 32-bit PCI 2.3
Diskette drive	None										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 • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement • Chassis intrusion switch
Media reader	None										
Chipset	Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O										
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)										
Rear ports	Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)										
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)										
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)										
Audio	High Definition (HD) Audio, Analog Devices AD1882 codec										
Speaker	One internal speaker for business audio										
Ethernet	Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0										
Intel AMT	Intel Active Management Technology (iAMT)										
Modem	None										
Security chip	Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant										
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo										
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo										
Power supply	280 watts with variable speed fan, manual switch, two diagnostic LEDs										
Preloaded operating system²⁰	- Microsoft® Windows® Vista® Business Edition (32-bit)					Accessories					Supports ThinkVantage® technologies
	Vista Premium logo					1GB PC3-8500 DDR3 UDIMM 45J5434					GREENGUARD® certified RoHS-compliant
	Preloaded applications⁵					2GB PC3-8500 DDR3 UDIMM 45J5435					
	• Rescue and Recovery™					500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990					
	• Client Security Solution™					1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918					
	• ThinkVantage Productivity Center					USB Portable Diskette Drive 05K9276					
	• ThinkVantage System Update					USB 2.0 Lenovo Multimedia Headset 40Y8518					
	• ThinkVantage Power Manager					USB 2.0 Lenovo Webcam 40Y8519					
	• Norton Internet Security™ (90 days of virus definitions)					USB 2.0 Essential Memory Key 32GB 45K1258					
	• Diskeeper® Home					USB 2.0 Ultra Secure Memory Key 2GB 45J5916					
	• PC-Doctor™ (diagnostics)					USB 2.0 Ultra Secure Memory Key 4GB 45J5917					
	• Adobe® Reader					USB 2.0 Ultra Secure Memory Key 8GB 45J5918					
	• Windows Live™ Toolbar					USB 2.0 Portable 160GB Hard Disk 43R1784					
	• Windows Live Search					USB 2.0 Portable Secure 320GB Hard Disk 43R2019					
	• Picasa from Google					Blu-ray Burner / HD-DVD Player SATA Drive 43R1958					
	• Microsoft Office 2007 Trial (60-day)					ThinkVision® L2440x Wide 24" Monitor 4421HB2					
	• Sonic RecordNow and Drive Letter Access (DVD±RW)					DisplayPort to Single-link DVI-D Cable 45J7915					
	• Corel® WinDVD® (DVD±RW)					Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067					
						Lenovo USB Fingerprint Keyboard 73P4730					
						Laser Tilt Wheel Mouse (USB, PS/2) 41U3074					
						Kensington Cable Lock from Lenovo 73P2582					
						Kensington Twin Head Cable Lock 45K1620					
						ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636					
						NVIDIA® GeForce® 9500GT 512MB (DP, DVI) 45K1635					
						NVIDIA Quadro® 256MB FX 370 43R1766					
						NVIDIA Quadro 512MB FX 1700 43R1767					
						Acc Guide in pdf lenovo.com/accessoriesguide					
						Other accessories at lenovo.com/accessories					
											Limited Warranty ¹
											↔ 3-year parts and labor
											↔ International Warranty Service ⁹
											↔ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
											↔ Onsite service upgrade options (in eligible locations): ⁷
											• 4-year LOR 9x5, Next Business Day (ThinkPlus™ part number 41C9194)
											• 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195)
											• 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196)
											↔ ThinkPlus services at lenovo.com/thinkplus/warranty
											↔ Post warranty maintenance services available
											↔ 24 hour x 7 day ¹⁴ toll-free support during the warranty period ¹ via 800-426-7378

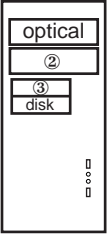
See footnotes for important warranty information
US model announced October 21, 2008

ThinkCentre® M58p Tower (6209) - ENERGY STAR® 4.0 (GMP)

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor conn	DisplayPort dongle	ENERGY STAR 4.0	Intel vPro	Vista preload	Global (G) GMP (P)	Avail date
M58p	6209-A1U	4x4	Core 2 Duo E8400	3.00	2	2GB	160GB ²	DVD±RW	GMA	VGA, DP	None	ES40	vPro	Bus32	G P	Nov 08

- **Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)**
- **This model is part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty**

Positioning Processor	<i>Ultimate stability/manageability for large enterprise and mid-market</i>										Tower																																																			
Implementation	Intel® Core™ 2 Duo Processor E8400 with dual-core, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache Processor in FC-LGA8 package in LGA775 socket										<ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 																																																			
Memory	2GB std, 8GB max⁸, PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets 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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk																																																			
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500) , integrated graphics in Q45, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display										Slot 1: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3																																																			
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620) Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar																																																													
SATA controller	None																																																													
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Chipset	Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O																																																													
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Power supply	280 watts with variable speed fan, autosensing, two diagnostic LEDs, 80% PSU																																																													
												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 • Hard disk password (user and master) • Boot sequence control • Boot without diskette, keyboard • Serial port I/O control • Individual USB port disablement • Chassis intrusion switch 																																																		
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												Limited Warranty¹ <ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 4-year LOR 9x5, Next Business Day (ThinkPlus™ part number 41C9194) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 																																																		

See footnotes for important warranty information
 US model announced October 21, 2008

Partial list of accessories supported on ThinkCentre M58 and M58p**Memory**

Eco Ultra Small 8820/7359/7637/9961/7479/6136 use notebook memory:

1GB PC3-8500 DDR3 SODIMM (notebook) 43R1987 *ann 08/05/08*
 2GB PC3-8500 DDR3 SODIMM (notebook) 43R1988 *ann 08/05/08*

Small 8910/7360/6258/9964/7483/7220/6137/6234, and Tower 9960/7373/6239/9965/7484/7188/6138/6209 use desktop memory:

1GB PC3-8500 DDR3 UDIMM 45J5434 *ann 11/18/08*
 2GB PC3-8500 DDR3 UDIMM 45J5435 *ann 11/18/08*

Optical

All:

DVD-ROM DL SATA 1.5Gb/s 16X-48X Max⁴ 41N5618 *ann 09/26/06*
 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 *ann 09/26/06*

Tower 9960/7373/6239/9965/7484/7188/6138/6209 support:

Blu-ray Burner / HD-DVD Player SATA Drive 43R1958 *ann 12/18/07*

Storage and removable storage

80GB SATA 3.0Gb/s Disk (7200 rpm) 09N4253 *ann 05/19/03*
 160GB SATA 3.0Gb/s Disk (7200 rpm) 09N4254 *ann 05/19/03*
 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 *ann 01/24/06*
 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 *ann 11/06/07*
 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 *ann 08/19/08*

USB Portable Diskette Drive

USB 2.0 Essential Memory Key 1GB 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 Essential Memory Key 4GB 45J7904 *ann 06/24/08*
 USB 2.0 Essential Memory Key 8GB 45J7905 *ann 07/15/08*
 USB 2.0 Essential Memory Key 32GB 45K1258 *ann 10/28/08*
 USB 2.0 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 Ultra Secure Memory Key 1GB 45J5915 *ann 08/26/08*
 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 *ann 08/26/08*
 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 *ann 08/26/08*
 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 *ann 08/26/08*
 USB 2.0 Portable 160GB Hard Disk 43R1784 *ann 09/23/08*
 USB 2.0 Portable Secure 160GB Hard Disk 43R2018 *ann 11/18/08*
 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 *ann 11/18/08*
 USB 2.0 CD-RW/DVD-ROM Combo II Drive 40Y8637 *ann 01/05/06*
 USB 2.0 Super Multi-Burner Drive 41N5565 *ann 01/23/07*

Graphics

Small 8910/7360/6258/7638/9964/7483/7220/6137/6234 support Low Profile:

ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636 *ann 11/18/08*

Tower 9960/7373/6239/9965/7484/7188/6138/6209 support 75 watts max:

ATI Radeon HD 3470 256MB (DP, VGA) 45K1636 *ann 11/18/08*
 NVIDIA® GeForce® 9500 GT 512MB (DP, DVI) 45K1635 *ann 11/18/08*
 NVIDIA Quadro® 256MB FX 370 43R1766 *ann 12/18/07*
 NVIDIA Quadro 512MB FX 1700 43R1767 *ann 12/18/07*

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

Keyboard

Preferred Pro USB Keyboard 73P5220 *ann 06/21/05*
 Preferred Pro Full Size PS/2 Keyboard 31P7415 *ann 06/04/02*
 Enhanced Performance USB Keyboard 73P2620 *ann 03/23/04*
 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 *ann 12/07/04*
 USB Travel Keyboard with UltraNav™ 31P9490 *ann 04/27/04*
 Lenovo® USB Fingerprint Keyboard 73P4730 *ann 02/22/05*

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

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*
 Lenovo Wireless Laser Mouse (blk, via USB) 45K1696 *ann 11/25/08*
 Lenovo Wireless Laser Mouse (red, via USB) 51J0198 *ann 11/25/08*

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

Multimedia

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

Security

Kensington® Cable Lock from Lenovo 73P2582 *ann 12/29/03*
 Kensington Twin Head Cable Lock 45K1620 *ann 09/30/08*
 USB Gemplus GemPC Smart Card Reader 41N3040 *ann 02/21/06*

Mounting Device

Eco Ultra Small 8820/7359/7637/9961/7479/6136 support under desk mounting device:

ThinkCentre Ultra Small Under Desk Mount 40Y8625 *ann 09/06/05*

Monitors

ThinkVision® L174 17" Monitor 9227AE1 *ann 04/15/08*
 ThinkVision L1700p 17" Monitor 9417HE2 *ann 09/17/08*
 ThinkVision L1900p 19" Monitor 4431HE1 *ann 11/11/08*
 ThinkVision L1940p Wide 19" Monitor 4424HB6 *ann 09/17/08*
 ThinkVision L200p Wide 20.1" Monitor 4438HB6 *ann 04/15/08*
 ThinkVision L2240p Wide 22" Monitor 4422HB6 *ann 09/17/08*
 ThinkVision L2440p Wide 24" Monitor 4420HB2 *ann 09/17/08*
 ThinkVision L2440x Wide 24" Monitor 4421HB2 *ann 09/17/08*

More information at www.lenovo.com/thinkvision

Monitor Accessories⁴⁶

Eco Ultra Small 8820/7359/7637/9961/7479/6136 support:

Lenovo Vertical PC and Monitor Stand II 41R4474 *ann 01/27/09*

All:

DisplayPort to Single-link DVI-D Cable 45J7915 *ann 08/05/08*
 ThinkVision USB Soundbar 40Y7616 *ann 08/23/05*
 ThinkVision Soundbar 45K1263 *ann 09/16/08*
 Kensington Cable Lock from Lenovo 73P2582 *ann 12/29/03*
 Kensington Twin Head Cable Lock 45K1620 *ann 09/30/08*
 Radial Arm 19K4464 *ann 05/05/00*

⁴⁶Compatible on selected Lenovo and ThinkVision monitors.

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

Medialess License Key (MLK)

Microsoft® Office 2007 Basic, English 43R1528 *ann 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 www.lenovo.com/accessories

Accessories Guide pdf at www.lenovo.com/accessoriesguide

Lenovo ThinkCentre A57 Small (9704) and Tower (9702)



Lenovo ThinkCentre A57 Small



Lenovo ThinkCentre A57 Small



Lenovo ThinkCentre A57 Small



Lenovo ThinkCentre A57 Small with dual Lenovo ThinkVision monitors



Lenovo ThinkCentre A57 Tower



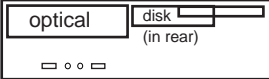
Lenovo ThinkCentre A57 Tower

ThinkCentre® A57 Small (9704) - TopSeller (Vista®)

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁶	SATA disk	SATA optical	Graphics	Chassis intr switch	Vista preload	Vista logo	Global Educ	Avail date
ES	A57	9704-BRU	2x3 Pentium E2180	2.00	1MB	Dual	512MB	80GB ²	DVD	GMA		Bus32	Basic	None	Apr 08
ES	A57	9704-BSU	2x3 Pentium E2180	2.00	1MB	Dual	1GB	160GB	Combo	GMA		Bus32	Basic	None	Apr 08
ES	A57	9704-BFU	2x3 Pentium E2180	2.00	1MB	Dual	2GB	160GB	DVD±RW	GMA		Bus32	Prem	None	Apr 08
	A57	9704-AKU	2x3 Core 2 Duo E4600	2.40	2MB	Dual	2GB	160GB	Combo	GMA	Switch	Bus32	Prem	None	Mar 08

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a 1-year limited warranty¹

Positioning Processor	Quality, reliability, and security for small/medium businesses Intel® Pentium® Dual-Core Processor E2180 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E4600 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, and 800MHz system bus with 2MB shared L2 cache	Small  Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette) Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, 32-bit PCI 2.3
Implementation	Processor in FC-LGA6 package in LGA775 socket	
Memory	512MB, 1GB, or 2GB std, 4GB max⁸, PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets avail; <i>Non-italics:</i> standard memory in one socket; one socket available	<ul style="list-style-type: none"> • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.1 lb (7.3 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter	
SATA disk	80GB or 160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening	<p align="center">Security</p> <ul style="list-style-type: none"> • Security slot (in rear for attachment of optional Kensington® Microsaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement • <i>Some:</i> Chassis intrusion switch <p>Supports ThinkVantage® technologies</p> <p>RoHS-compliant</p> <p align="center">Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 1-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5951) • 2-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5949) • 2-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5952) • 3-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5950) • 3-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5953) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
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 ⁴ (41N5618)	
SATA Combo	<i>Some:</i> CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive	
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)	
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors on planar	
eSATA port	None	
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar	
Diskette drive	None	
Media reader	None	
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express® x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O for serial, parallel, keyboard, mouse functions	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)	
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker	One internal speaker for business audio	
Ethernet	Gigabit ethernet on planar, Marvel® 88E8056, PCIe x1, Wake on LAN®	
Intel AMT	None	
Modem	None	
Security chip	None	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo	
Power supply	280 watts with variable speed fan, autosenesing	
Preloaded operating system²⁰	Accessories	
- Microsoft® Windows® Vista Business Edition (32-bit)	1GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2001	
	2GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2002	
	250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015	
	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990	
	USB Portable Diskette Drive 05K9276	
	USB 2.0 Lenovo Multimedia Headset 40Y8518	
	USB 2.0 Lenovo Webcam 40Y8519	
	USB 2.0 Essential Memory Key 32GB 45K1258	
	USB 2.0 Ultra Secure Memory Key 8GB 45J5918	
	USB 2.0 Portable 160GB Hard Disk 43R1784	
	USB 2.0 Portable Secure 320GB Hard Disk 43R2019	
	ThinkVision® L1700p 17" Monitor 9417HE2	
	ThinkVision L1940p Wide 19" Monitor 4424HB6	
	ThinkVision L2240p Wide 22" Monitor 4422HB6	
	ThinkVision L2440p Wide 24" Monitor 4420HB2	
	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067	
	Laser Tilt Wheel Mouse (USB, PS/2) 41U3074	
	Kensington Cable Lock from Lenovo 73P2582	
	ADD2 DVI-I PCIe Connection Adapter 73P2516	
	ADD2 DVI-D Monitor Connection (HDCP) 43R1985	
	ATI™ Radeon™ HD 2400 Pro 128MB 43R1961	
	ATI Radeon HD 2400 XT 256MB 43R1962	
	Acc Guide in pdf lenovo.com/accessoriesguide	
	Other accessories at lenovo.com/accessories	

See footnotes for important warranty information

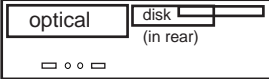
ES US models announced April 8, 2008; previous model on February 26, 2008

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(TUNS1-2) April 2008

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Preload	Vista logo	Limited warranty ¹	Global Educ	Avail date
A57	9704-B5U	2x3	Pentium E2200	2.20	2	512MB	160GB ²	DVD	GMA	XP Pro	Basic	1-yr	None	Nov 08
A57	9704-B6U	2x3	Pentium E2200	2.20	2	1GB	160GB	DVD±RW	GMA	XP Pro	Premium	1-yr	None	Nov 08
A57	9704-A53	2x3	Core 2 Duo E8400	3.00	2	2GB	250GB	DVD±RW	GMA	Bus32	Premium	1-yr	None	Feb 09

• These small and medium business (SMB) models are part of the US TopSeller™ Program

Positioning Processor	Quality, reliability, and security for small/medium businesses Intel® Pentium® Processor E2200 with dual-core, 800MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo Processor E8400 with dual-core, Virtualization Technology, TXT, 1333MHz system bus, and 6MB L2 cache		Small	
Implementation	Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket			
Memory	512MB, 1GB, or 2GB std , 4GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics</i> : standard memory in one socket; one socket available		Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, no access, std disk Bay ③ 3.5", .5" high, access, open (reader/diskette) Slot 1: Low Profile, PCI Express x16 (35w max) Slot 2: Low Profile, 32-bit PCI 2.3 • Business black color; metal case • 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H • 16.1 lb (7.3 kg) in maximum configuration • Bays 1, 2, 3 flip up (latched and pivoting) • Toolless cover flips up and tilts backward on rear hinges • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention • Toolless systemboard retention • Steel chassis supports 100 lb (45kg) monitor on top • System floor stand for vertical orientation	
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter			
SATA disk	160GB or 250GB , SATA 3.0Gb/s 7200 rpm, vibration dampening			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7			
SATA DVD	<i>Some</i> : DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive (41N5618)			
SATA DVD±RW	<i>Some</i> : Super Multi-Burner DL DVD±RW SATA Drive (41N5620)			
SATA cables	Two SATA cables (each 1-drop to device), two SATA connectors			
eSATA port	None			
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector			
Diskette drive	None			
Media reader	None			
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express [®] x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions		Security • Security slot (in rear for attachment of optional Kensington [®] Microsaver [®] cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)			
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec			
Speaker	One internal speaker for business audio			
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]			
Intel AMT	None			
Modem	None			
Security chip	None			
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		Supports ThinkVantage [®] technologies	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo			
Power supply	280 watts with variable speed fan, autosensing			
Preloaded operating system²⁰	Accessories		RoHS-compliant Limited Warranty¹ ⇨ 1-year parts and labor ⇨ International Warranty Service ⁹ ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Onsite service upgrade options (in eligible locations): ⁷ • 1-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5951) • 2-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5949) • 2-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5952) • 3-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5950) • 3-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5953) ⇨ ThinkPlus services at lenovo.com/thinkplus/warranty ⇨ Post warranty maintenance services available ⇨ 24 hour x 7 day ¹⁴ toll-free support during the warranty period ¹ via 800-426-7378	
- <i>Some</i> : Microsoft [®] Windows [®] XP Professional with Vista [®] COA	1GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2001 2GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2002			
- <i>Some</i> : Microsoft Windows Vista Business Edition (32-bit)	250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990			
Preloaded applications⁵ (all OSes)	USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Security Memory Key 4GB 41U5120 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 USB 2.0 Super Multi-Burner Drive 41N5565 ThinkVision [®] L1700p 17" Monitor 9417HE2 ThinkVision L1940p Wide 19" Monitor 4424HB6 ThinkVision L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ADD2 DVI-I PCIe Connection Adapter 73P2516 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI™ Radeon™ HD 2400 Pro 128MB 43R1961 ATI Radeon HD 2400 XT 256MB 43R1962 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories			
• Rescue and Recovery™				
• Client Security Solution™				
• ThinkVantage Productivity Center				
• ThinkVantage System Update				
• System Migration Assistant				
• Norton Internet Security™ (90 days of virus definitions)				
• Diskeeper [®] Home				
• PC-Doctor™ (diagnostics)				
• Adobe [®] Reader				
• Windows Live™ Toolbar				
• Windows Live Search				
• Picasa from Google				
• Microsoft Office 2007 Trial (60-day)				
• Multimedia Center for Think Offerings (DVD, DVD±RW) (XP)				
• Sonic RecordNow and Drive Letter Access (DVD±RW)				
• Corel [®] WinDVD [®] (DVD, DVD±RW)				
• Corel WinDVD Creator (DVD±RW) (XP)				

See footnotes for important warranty information

¹⁸ US model announced February 12, 2009; previous models on October 21, 2008

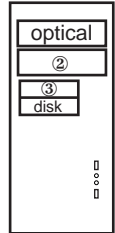
ThinkCentre® A57 Tower (9702) - TopSeller

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	2nd Disk Bay	SATA optical	Graphics	Preload	Limited warranty ¹	Global Educ	Avail date
A57	9702-B3U	4x4	Celeron 430	1.80	512KB	Single	512MB	80GB ²	None	DVD	GMA	XP Pro	1-yr	None	Mar 08
A57	9702-B7U	4x4	Pentium E2160	1.80	1MB	Dual	1GB	160GB	None	DVD±RW	GMA	XP Pro	1-yr	None	Mar 08
A57	9702-B5U	4x4	Pentium E2180	2.00	1MB	Dual	512MB	80GB	None	DVD	GMA	XP Pro	1-yr	None	Mar 08
A57	9702-B6U	4x4	Pentium E2180	2.00	1MB	Dual	512MB	160GB	None	Combo	GMA	XP Pro	1-yr	None	Mar 08
A57	9702-D9U	4x4	Pentium E2180	2.00	1MB	Dual	1GB	160GB	None	DVD±RW	GMA	XP Pro	1-yr	None	Apr 08
A57	9702-A4U	4x4	Pentium E2200	2.20	1MB	Dual	1GB	160GB	None	Combo	GMA	XP Pro	1-yr	None	Mar 08
A57	9702-A5U	4x4	Pentium E2200	2.20	1MB	Dual	2GB	160GB	None	DVD±RW	GMA	XP Pro	1-yr	None	Mar 08

• These small and medium business (SMB) models are part of the US TopSeller™ Program

Positioning	Quality, reliability, and security for small/medium businesses	
Processor	Intel® Celeron® Processor 430 with single-core, Intel 64 Tech, Execute Disable Bit, 800MHz system bus, and 512KB L2 cache or Intel Pentium® Dual-Core Processor E2160, E2180, or E2200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, and 800MHz system bus with 1MB shared L2 cache Processor in FC-LGA6 package in LGA775 socket	
Implementation	Tower • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention	
Memory	512MB, 1GB, or 2GB std, 4GB max⁸, PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets avail; <i>Non-italics:</i> standard memory in one socket; one socket available	
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter	
SATA disk	80GB or 160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7	
SATA DVD	Some: DVD-ROM/DL SATA 1.5Gb/s 16X-48X Max ⁴ (41N5618)	
SATA Combo	Some: CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive	
SATA DVD±RW	Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors on planar	
eSATA port	None	
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar	
Diskette drive	None	
Media reader	None	
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express ⁹ x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)	
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec	
Speaker	One internal speaker for business audio	
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]	
Intel AMT	None	
Modem	None	
Security chip	None	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo [®] logo	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo	
Power supply	280 watts with variable speed fan, manual switch	
Preloaded operating system²⁰	Accessories 1GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2001 2GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2002 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision [™] L1700p 17" Monitor 9417HE2 ThinkVision L1940p Wide 19" Monitor 4424HB6 ThinkVision L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ADD2 DVI-I PCIe Connection Adapter 73P2516 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI [™] Radeon [™] HD 2400 Pro 128MB 43R1961 ATI Radeon HD 2400 XT 256MB 43R1962 ATI Radeon HD 2600 XT 512MB 43R1963 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories	
- Microsoft [®] Windows [®] XP Professional with Vista [®] COA		
◆ Disk-to-Disk Recovery (in hidden protected area)		
Preloaded applications⁵	• Rescue and Recovery [™] • Client Security Solution [™] • ThinkVantage Productivity Center • ThinkVantage System Update • System Migration Assistant • Norton Internet Security [™] • Diskkeeper [®] Home • PC-Doctor [™] (diagnostics) • Adobe [®] Reader • Windows Live [™] Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Multimedia Center for Think Offerings (combo, DVD, DVD±RW) • Sonic RecordNow and Drive Letter Access (combo, DVD±RW) • Corel [®] WinDVD [®] (combo, DVD, DVD±RW) • Corel WinDVD Creator (DVD±RW)	
	Security • One lock to secure both cover and entire system to fixed object: - Padlock loop (in rear for opt padlock) - Security slot (in rear for optional Kensington [®] Microsaver [®] cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement	
	Supports ThinkVantage [®] technologies	
	RoHS-compliant	
	Limited Warranty¹ ⇨ 1-year parts and labor ⇨ International Warranty Service ⁹ ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Onsite service upgrade options (in eligible locations): ⁷ • 1-year LOR 9x5, 4 hour response (ThinkPlus [™] part number 45K5951) • 2-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5949) • 2-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5952) • 3-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5950) • 3-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5953) ⇨ ThinkPlus services at lenovo.com/thinkplus/warranty ⇨ Post warranty maintenance services available ⇨ 24 hour x 7 day ¹⁴ toll-free support during the warranty period ¹ via 800-426-7378	



See footnotes for important warranty information
¹⁴ US model announced April 8, 2008; previous models on February 26, 2008
²⁰ US model withdrawn effective January 2009

Name	Type-model	Slot x bay	Processor	GHz	Cores	Memory ⁸	SATA disk	2nd Disk Bay	SATA optical	Graphics	Preload	Vista logo	Limited warranty ¹	Global Educ	Avail date
A57	9702-FDU	4x4	Pentium E2200	2.20	2	512MB	160GB ²	None	DVD	GMA	XP Pro	Basic	1-yr	None	Nov 08
A57	9702-F9U	4x4	Pentium E2200	2.20	2	1GB	160GB	None	DVD±RW	GMA	XP Pro	Premium	1-yr	None	Nov 08

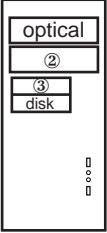
• **These small and medium business (SMB) models are part of the US TopSeller™ Program**

Positioning Processor	<p><i>Quality, reliability, and security for small/medium businesses</i> Intel® Pentium® Dual-Core Processor E2200 with dual-core, 800MHz system bus, and 1MB L2 cache</p>						<p>Tower</p> <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 																																																			
Implementation	Processor in FC-LGA6 package in LGA775 socket																																																									
Memory	<p>512MB or 1GB std, 4GB max³, PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available</p>																																																									
Graphics	<p>Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter</p>																																																									
SATA disk	<p>160GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts</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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk</p>																																																			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7																																																									
SATA DVD	Some: DVD-ROM DL SATA 1.5Gb/s 16X-48X Max ⁴ (41N5618)																																																									
SATA DVD±RW	Some: Super Multi-Burner DL DVD±RW SATA Drive (41N5620)																																																									
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors																																																									
eSATA port	None																																																									
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector																																																									
Diskette drive	None																																																									
Media reader	None																																																									
Chipset	<p>Intel G31 Express Chipset; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express[®] x1, PCI 2.3, USB, LPC bus / ITE Tech[®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions</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) - Security slot (in rear for optional Kensington[®] Microsaver[®] cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement 																																																			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																																																									
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)																																																									
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)																																																									
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)																																																									
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec																																																									
Speaker	One internal speaker for business audio																																																									
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]																																																									
Intel AMT	None																																																									
Modem	None																																																									
Security chip	None																																																									
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo																																																									
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo						Supports ThinkVantage [®] technologies																																																			
Power supply	280 watts with variable speed fan, manual switch						RoHS-compliant																																																			
Preloaded operating system²⁰	<p>- Microsoft[®] Windows[®] XP Professional with Vista[®] COA ♦ Disk-to-Disk Recovery (in hidden protected area)</p>						<p>Accessories</p> <table border="0"> <tr><td>1GB PC2-5300 DDR2 UDIMM (TopSeller)</td><td>43R2001</td></tr> <tr><td>2GB PC2-5300 DDR2 UDIMM (TopSeller)</td><td>43R2002</td></tr> <tr><td>250GB SATA 3.0Gb/s Disk (7200 rpm)</td><td>41N3015</td></tr> <tr><td>500GB SATA 3.0Gb/s Disk (7200 rpm)</td><td>43R1990</td></tr> <tr><td>USB 2.0 Lenovo Multimedia Headset</td><td>40Y8518</td></tr> <tr><td>USB 2.0 Lenovo Webcam</td><td>40Y8519</td></tr> <tr><td>USB 2.0 Essential Memory Key 32GB</td><td>45K1258</td></tr> <tr><td>USB 2.0 Ultra Secure Memory Key 4GB</td><td>45J5917</td></tr> <tr><td>USB 2.0 Ultra Secure Memory Key 8GB</td><td>45J5918</td></tr> <tr><td>USB 2.0 Portable 160GB Hard Disk</td><td>43R1784</td></tr> <tr><td>USB 2.0 Portable Secure 320GB Hard Disk</td><td>43R2019</td></tr> <tr><td>ThinkVision[®] L1700p 17" Monitor</td><td>9417HE2</td></tr> <tr><td>ThinkVision L1940p Wide 19" Monitor</td><td>4424HB6</td></tr> <tr><td>ThinkVision L2240p Wide 22" Monitor</td><td>4422HB6</td></tr> <tr><td>ThinkVision L2440p Wide 24" Monitor</td><td>4420HB2</td></tr> <tr><td>Wireless Kbd & Opt Wheel Mouse (via USB)</td><td>73P4067</td></tr> <tr><td>Laser Tilt Wheel Mouse (USB, PS/2)</td><td>41U3074</td></tr> <tr><td>Kensington Cable Lock from Lenovo</td><td>73P2582</td></tr> <tr><td>ADD2 DVI-I PCIe Connection Adapter</td><td>73P2516</td></tr> <tr><td>ADD2 DVI-D Monitor Connection (HDCP)</td><td>43R1985</td></tr> <tr><td>ATI[™] Radeon[™] HD 2400 Pro 128MB</td><td>43R1961</td></tr> <tr><td>ATI Radeon HD 2400 XT 256MB</td><td>43R1962</td></tr> <tr><td>ATI Radeon HD 2600 XT 512MB</td><td>43R1963</td></tr> </table> <p>ATI[™] Radeon[™] HD 2400 Pro 128MB ATI Radeon HD 2400 XT 256MB ATI Radeon HD 2600 XT 512MB Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories</p>						1GB PC2-5300 DDR2 UDIMM (TopSeller)	43R2001	2GB PC2-5300 DDR2 UDIMM (TopSeller)	43R2002	250GB SATA 3.0Gb/s Disk (7200 rpm)	41N3015	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	USB 2.0 Lenovo Multimedia Headset	40Y8518	USB 2.0 Lenovo Webcam	40Y8519	USB 2.0 Essential Memory Key 32GB	45K1258	USB 2.0 Ultra Secure Memory Key 4GB	45J5917	USB 2.0 Ultra Secure Memory Key 8GB	45J5918	USB 2.0 Portable 160GB Hard Disk	43R1784	USB 2.0 Portable Secure 320GB Hard Disk	43R2019	ThinkVision [®] L1700p 17" Monitor	9417HE2	ThinkVision L1940p Wide 19" Monitor	4424HB6	ThinkVision L2240p Wide 22" Monitor	4422HB6	ThinkVision L2440p Wide 24" Monitor	4420HB2	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	Laser Tilt Wheel Mouse (USB, PS/2)	41U3074	Kensington Cable Lock from Lenovo	73P2582	ADD2 DVI-I PCIe Connection Adapter	73P2516	ADD2 DVI-D Monitor Connection (HDCP)	43R1985	ATI [™] Radeon [™] HD 2400 Pro 128MB	43R1961	ATI Radeon HD 2400 XT 256MB	43R1962	ATI Radeon HD 2600 XT 512MB	43R1963
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ATI Radeon HD 2400 XT 256MB	43R1962																																																									
ATI Radeon HD 2600 XT 512MB	43R1963																																																									
Preloaded applications⁵	<ul style="list-style-type: none"> • Rescue and Recovery[™] • Client Security Solution[™] • ThinkVantage Productivity Center • ThinkVantage System Update • System Migration Assistant • Norton Internet Security[™] • Diskkeeper[®] Home • PC-Doctor[™] (diagnostics) • Adobe[®] Reader • Windows Live[™] Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Multimedia Center for Think Offerings (DVD, DVD±RW) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel[®] WinDVD[®] (DVD, DVD±RW) • Corel WinDVD Creator (DVD±RW) 						<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↔ 1-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 1-year LOR 9x5, 4 hour response (ThinkPlus[™] part number 45K5951) • 2-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5949) • 2-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5952) • 3-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5950) • 3-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5953) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 																																																			

See footnotes for important warranty information
 US models announced October 21, 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ^a	SATA disk	2nd Disk Bay	SATA optical	Graphics	Vista preload	Vista logo	Global Educ	Avail date
A57	9702-H8U	4x4	Celeron E1200	1.60	512KB	Dual	1GB	160GB ^b	No	DVD±RW	GMA	Home Basic	Basic	No	Dec 08
A57	9702-H9U	4x4	Pentium E2160	1.80	1MB	Dual	2GB	160GB	No	DVD±RW	GMA	Home Basic	Basic	No	Dec 08
A57	9702-HBU	4x4	Pentium E2160	1.80	1MB	Dual	2GB	320GB	No	DVD±RW	GMA	Home Premium	Basic	No	Dec 08
A57	9702-HCU	4x4	Pentium E5200	2.50	2MB	Dual	2GB	160GB	No	DVD±RW	GMA	Home Basic	Basic	No	Dec 08

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a 1-year limited warranty¹

Positioning Processor	Quality, reliability, and security for small/medium businesses Intel® Celeron® Dual-Core Processor E1200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 512KB L2 cache or Intel Pentium® Dual-Core Processor E2160 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB L2 cache or Intel Pentium Dual-Core Processor E5200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, and 800MHz system bus with 2MB L2 cache	Tower <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 
Implementation	Processor in FC-LGA6 package in LGA775 socket	
Memory	1GB or 2GB std , 4GB max ^a , PC2-6400 800MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter	Slot 1: half-length, full-height, PCI Express x16 (75w max) Slot 2: half-length, full-height, PCI Express x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3
SATA disk	160GB or 320GB , SATA 3.0Gb/s 7200 rpm, vibration dampening	<p align="center">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) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement <p>Supports ThinkVantage® technologies</p> <p>RoHS-compliant</p> <p align="center">Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations)⁷ <ul style="list-style-type: none"> • 1-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5951) • 2-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5949) • 2-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5952) • 3-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5950) • 3-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5953) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7	
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors on planar	
eSATA port	None	
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar	
Diskette drive	None	
Media reader	None	
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express® x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O for serial, parallel, keyboard, mouse functions	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)	
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker	One internal speaker for business audio	
Ethernet	Gigabit ethernet on planar, Marvell® 88E8056, PCIe x1, Wake on LAN®	
Intel AMT	None	
Modem	None	
Security chip	None	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo	
Power supply	280 watts with variable speed fan, manual switch	
Preloaded operating system²⁰	Accessories	
- Some: Microsoft® Windows® Vista Home Basic Edition (32-bit)	1GB PC2-6400 NP DDR2 UDIMM 41U2977	
- Some: Microsoft Windows Vista Home Premium Edition (32-bit)	2GB PC2-6400 NP DDR2 UDIMM 41U2978	
	250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015	
	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990	
	USB 2.0 Lenovo Multimedia Headset 40Y8518	
	USB 2.0 Lenovo Webcam 40Y8519	
	USB 2.0 Essential Memory Key 32GB 45K1258	
	USB 2.0 Ultra Secure Memory Key 4GB 45J5917	
	USB 2.0 Ultra Secure Memory Key 8GB 45J5918	
	USB 2.0 Portable 160GB Hard Disk 43R1784	
	USB 2.0 Portable Secure 320GB Hard Disk 43R2019	
	ThinkVision® L1700p 17" Monitor 9417HE2	
	ThinkVision L1940p Wide 19" Monitor 4424HB6	
	ThinkVision L2240p Wide 22" Monitor 4422HB6	
	ThinkVision L2440p Wide 24" Monitor 4420HB2	
	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067	
	Laser Tilt Wheel Mouse (USB, PS/2) 41U3074	
	Kensington Cable Lock from Lenovo 73P2582	
	ADD2 DVI-I PCIe Connection Adapter 73P2516	
	ADD2 DVI-D Monitor Connection (HDCP) 43R1985	
	ATI™ Radeon™ HD 2400 Pro 128MB 43R1961	
	ATI Radeon HD 2400 XT 256MB 43R1962	
	ATI Radeon HD 2600 XT 512MB 43R1963	
	Acc Guide in pdf lenovo.com/accessoriesguide	
	Other accessories at lenovo.com/accessories	

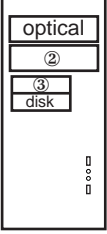
See footnotes for important warranty information
US models announced November 25, 2008
⚡ US models withdrawn effective January 2009

ThinkCentre® A57 Tower (9851) - TopSeller

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory [®]	SATA disk	2nd Disk Bay	SATA optical	Graphics	Preload	Limited warranty ¹	Global Educ	Avail date
A57	9851-B1U	4x4	Pentium E2180	2.00	1MB	Dual	512MB	80GB ²	None	DVD	GMA	XP Pro	3-yr	None	Mar 08
A57	9851-B2U	4x4	Pentium E2180	2.00	1MB	Dual	512MB	160GB	None	Combo	GMA	XP Pro	3-yr	None	Mar 08
A57	9851-B3U	4x4	Pentium E2180	2.00	1MB	Dual	1GB	160GB	None	DVD±RW	GMA	XP Pro	3-yr	None	Mar 08
A57	9851-A6U	4x4	Pentium E2200	2.20	1MB	Dual	1GB	160GB	None	Combo	GMA	XP Pro	3-yr	None	Mar 08
ES [®]	A57	9851-BSU	Pentium E2200	2.20	1MB	Dual	2GB	160GB	None	DVD±RW	GMA	XP Pro	3-yr	None	Apr 08
A57	9851-B4U	4x4	Core 2 Duo E4600	2.40	2MB	Dual	1GB	160GB	None	Combo	GMA	XP Pro	3-yr	None	Mar 08
A57	9851-B5U	4x4	Core 2 Duo E4600	2.40	2MB	Dual	2GB	160GB	None	DVD±RW	GMA	XP Pro	3-yr	None	Mar 08
ES [®]	A57	9851-A7U	Core 2 Duo E8200	2.66	6MB	Dual	1GB	160GB	None	DVD±RW	GMA	XP Pro	3-yr	None	Apr 08

• These small and medium business (SMB) models are part of the US TopSeller™ Program

Positioning	Quality, reliability, and security for small/medium businesses	
Processor	Intel® Pentium® Dual-Core Processor E2180 or E2200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E4600 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache or Intel Core 2 Duo Processor E8200 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket	Tower <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 
Implementation		
Memory	512MB, 1GB, or 2GB std, 4GB max [®] , PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets avail; <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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter	Slot 1: half-length, full-height, PCI Express x16 (75w max) Slot 2: half-length, full-height, PCI Express x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3
SATA disk	80GB or 160GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	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® Microsaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement Supports ThinkVantage® technologies RoHS-compliant Limited Warranty¹ <ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service[®] ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5955) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5956) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5957) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5958) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5959) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ Post warranty maintenance services available ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7	
SATA DVD	Some: DVD-ROM DL SATA 1.5Gb/s 16X-48X Max ⁴ Drive (41N5618)	
SATA Combo	Some: CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive	
SATA DVD±RW	Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors on planar	
eSATA port	None	
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar	
Diskette drive	None	
Media reader	None	
Chipset	Intel G31 Express Chipset; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express [®] x1, PCI 2.3, USB, LPC bus / ITE Tech [®] IT8718 Super I/O for serial, parallel, keyboard, mouse functions	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)	
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	
Audio	High Definition (HD) Audio, Realtek [®] ALC662 codec	
Speaker	One internal speaker for business audio	
Ethernet	Gigabit ethernet on planar, Marvell [®] 88E8056, PCIe x1, Wake on LAN [®]	
Intel AMT	None	
Modem	None	
Security chip	None	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo	
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo	
Power supply	280 watts with variable speed fan, manual switch	
Preloaded operating system²⁰	Accessories	
- Microsoft® Windows® XP Professional with Vista® COA	1GB PC2-5300 DDR2 UDIMM (TopSeller)	43R2001
◆ Disk-to-Disk Recovery (in hidden protected area)	2GB PC2-5300 DDR2 UDIMM (TopSeller)	43R2002
	500GB SATA 3.0Gb/s (7200 rpm)	43R1990
	USB 2.0 Lenovo Multimedia Headset	40Y8518
	USB 2.0 Essential Memory Key 32GB	45K1258
	USB 2.0 Ultra Secure Memory Key 8GB	45J5918
	USB 2.0 Portable Secure 320GB Hard Disk	43R2019
	ThinkVision® L1940p Wide 19" Monitor	4424HB6
	ThinkVision L2240p Wide 22" Monitor	4422HB6
	ThinkVision L2440p Wide 24" Monitor	4420HB2
	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067
	Laser Tilt Wheel Mouse (USB, PS/2)	41U3074
	Kensington Cable Lock from Lenovo	73P2582
	ADD2 DVI-I PCIe Connection Adapter	73P2516
	ADD2 DVI-D Monitor Connection (HDCP)	43R1985
	ATI™ Radeon™ HD 2400 Pro 128MB	43R1961
	ATI Radeon HD 2400 XT 256MB	43R1962
	ATI Radeon HD 2600 XT 512MB	43R1963
	Acc Guide in pdf lenovo.com/accessoriesguide	
	Other accessories at lenovo.com/accessories	

See footnotes for important warranty information

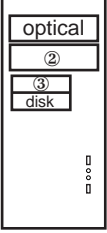
ES[®] US models announced March 18, 2008; previous models on February 26, 2008

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(TUNS1-5) April 2008

Name	Type-model	Slot x bay	Processor	GHz	L2 cache	Core	Memory ⁸	SATA disk	2nd Disk Bay	SATA optical	Graphics	Vista preload	Vista logo	Global Educ	Avail date
☞ A57	9851-C4U	4x4	Pentium E2180	2.00	1MB	Dual	1GB	160GB ²	None	Combo	GMA	Business32	Basic	None	May 08
A57	9851-BYU	4x4	Pentium E2180	2.00	1MB	Dual	2GB	160GB	None	DVD±RW	GMA	Business32	Premium	None	Apr 08
☞ A57	9851-C9U	4x4	Core 2 Duo E4600	2.40	2MB	Dual	1GB	160GB	None	Combo	GMA	Business32	Basic	None	May 08
A57	9851-CCU	4x4	Core 2 Duo E4600	2.40	2MB	Dual	2GB	160GB	None	DVD±RW	GMA	Business32	Premium	None	Apr 08
A57	9851-CDU	4x4	Core 2 Duo E8200	2.66	6MB	Dual	1GB	160GB	None	DVD±RW	GMA	Business32	Basic	None	Apr 08

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a 3-year limited warranty¹

Positioning Processor	Quality, reliability, and security for small/medium businesses Intel® Pentium® Dual-Core Processor E2180 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E4600 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache or Intel Core 2 Duo Processor E8200 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 6MB shared L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket		Tower <ul style="list-style-type: none"> • Business black color; metal case • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 
Implementation			
Memory	1GB or 2GB std, 4GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets avail; <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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk	
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) , integrated graphics in G31, uses main memory (up to 256MB), one analog VGA DB-15 connector, supports dual independent display with optional ADD2 adapter	Slot 1: half-length, full-height, PCI Express x16 (75w max) Slot 2: half-length, full-height, PCI Express x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts		<p style="text-align: center;">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) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • USB port disablement <p>Supports ThinkVantage® technologies</p> <p>RoHS-compliant</p> <p style="text-align: center;">Limited Warranty¹</p> <ul style="list-style-type: none"> ☞ 3-year parts and labor ☞ International Warranty Service⁹ ☞ 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) ☞ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5955) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5956) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5957) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5958) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5959) ☞ ThinkPlus services at lenovo.com/thinkplus/warranty ☞ Post warranty maintenance services available ☞ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7		
SATA Combo	<i>Some:</i> CD-RW/DVD-ROM Combo SATA 1.5Gb/s Drive		
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors on planar		
eSATA port	None		
EIDE controller	Enhanced IDE, ATA-100, integrated in ICH7, one EIDE connector on planar		
Diskette drive	None		
Media reader	None		
Chipset	Intel G31 Express Chipset ; I/O Controller Hub 7 (ICH7) for SATA 3.0Gb/s, ATA-100 EIDE, PCI Express® x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O for serial, parallel, keyboard, mouse functions		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)		
Internal connector	Two USB 2.0 planar connectors (one used; one open for media reader)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Marvell® 88E8056, PCIe x1, Wake on LAN®		
Intel AMT	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		
Mouse	Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo		
Power supply	280 watts with variable speed fan, manual switch		
Preloaded operating system²⁰	Accessories		
- Microsoft® Windows® Vista Business Edition (32-bit)	1GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2001		
Preloaded applications⁵	2GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2002		
• Rescue and Recovery™	250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015		
• Client Security Solution™	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990		
• ThinkVantage Productivity Center	USB 2.0 Lenovo Multimedia Headset 40Y8518		
• ThinkVantage System Update	USB 2.0 Lenovo Webcam 40Y8519		
• System Migration Assistant	USB 2.0 Essential Memory Key 32GB 45K1258		
• Norton Internet Security™ (90 days of virus definitions)	USB 2.0 Ultra Secure Memory Key 8GB 45J5918		
• Diskeeper® Home	USB 2.0 Portable 160GB Hard Disk 43R1784		
• PC-Doctor™ (diagnostics)	USB 2.0 Portable Secure 320GB Hard Disk 43R2019		
• Adobe® Reader	ThinkVision® L1940p Wide 19" Monitor 4424HB6		
• Windows Live™ Toolbar	ThinkVision L2240p Wide 22" Monitor 4422HB6		
• Windows Live Search	ThinkVision L2440p Wide 24" Monitor 4420HB2		
• Picasa from Google	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067		
• Microsoft Office 2007 Trial (60-day)	Laser Tilt Wheel Mouse (USB, PS/2) 41U3074		
• Sonic RecordNow and Drive Letter Access (combo, DVD±RW)	Kensington Cable Lock from Lenovo 73P2582		
• Corel® WinDVD® (combo, DVD±RW)	ADD2 DVI-I PCIe Connection Adapter 73P2516		
	ADD2 DVI-D Monitor Connection (HDCP) 43R1985		
	ATI™ Radeon™ HD 2400 Pro 128MB 43R1961		
	ATI Radeon HD 2400 XT 256MB 43R1962		
	ATI Radeon HD 2600 XT 512MB 43R1963		
	Acc Guide in pdf lenovo.com/accessoriesguide		
	Other accessories at lenovo.com/accessories		

See footnotes for important warranty information

☞ US models announced April 29, 2008; previous models on April 8, 2008

Partial list of accessories supported on ThinkCentre A57

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
512MB PC2-6400 NP DDR2 UDIMM ⁴⁸	41U2976	ann 09/26/06
1GB PC2-6400 NP DDR2 UDIMM ⁴⁸	41U2977	ann 09/26/06
2GB PC2-6400 NP DDR2 UDIMM ⁴⁸	41U2978	ann 01/08/08

⁴⁸ When PC2-6400 is installed with systems that have PC2-5300 memory, PC2-6400 will operate at the PC2-5300 memory speed.

Optical

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

Storage and removable storage

80GB SATA 3.0Gb/s Disk (7200 rpm)	09N4253	ann 05/19/03
160GB SATA 3.0Gb/s Disk (7200 rpm)	09N4254	ann 05/19/03
250GB SATA 3.0Gb/s Disk (7200 rpm)	41N3015	ann 01/24/06
500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	ann 11/06/07

USB 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 Essential Memory Key 4GB	45J7904	ann 06/24/08
USB 2.0 Essential Memory Key 8GB	45J7905	ann 07/15/08
USB 2.0 Essential Memory Key 32GB	45K1258	ann 10/28/08
USB 2.0 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 Ultra Secure Memory Key 1GB	45J5915	ann 08/26/08
USB 2.0 Ultra Secure Memory Key 2GB	45J5916	ann 08/26/08
USB 2.0 Ultra Secure Memory Key 4GB	45J5917	ann 08/26/08
USB 2.0 Ultra Secure Memory Key 8GB	45J5918	ann 08/26/08
USB 2.0 Portable 160GB Hard Disk	43R1784	ann 09/23/08
USB 2.0 Portable Secure 160GB Hard Disk	43R2018	ann 11/18/08
USB 2.0 Portable Secure 320GB Hard Disk	43R2019	ann 11/18/08
USB 2.0 CD-RW/DVD-ROM Combo II Drive	40Y8637	ann 01/05/06
USB 2.0 Super Multi-Burner Drive	41N5565	ann 01/23/07

Graphics

Small 9704 supports Low Profile 35 watts max:

ADD2 DVI-I PCIe Connection Adapter	73P2516	ann 06/28/05
ADD2 DVI-D Monitor Connection (HDCP)	43R1985	ann 11/06/07
ATI™ Radeon™ HD 2400 Pro 128MB	43R1961	ann 11/06/07
ATI Radeon HD 2400 XT 256MB	43R1962	ann 11/06/07

Tower 9702/9851 support 75 watts max:

ADD2 DVI-I PCIe Connection Adapter	73P2516	ann 06/28/05
ADD2 DVI-D Monitor Connection (HDCP)	43R1985	ann 11/06/07
ATI Radeon HD 2400 Pro 128MB	43R1961	ann 11/06/07
ATI Radeon HD 2400 XT 256MB	43R1962	ann 11/06/07
ATI Radeon HD 2600 XT 512MB	43R1963	ann 11/06/07

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

Keyboard

Preferred Pro USB Keyboard	73P5220	ann 06/21/05
Preferred Pro Full Size PS/2 Keyboard	31P7415	ann 06/04/02
Enhanced Performance USB Keyboard	73P2620	ann 03/23/04
Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	ann 12/07/04
Lenovo® USB Fingerprint Keyboard	73P4730	ann 02/22/05

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

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
Lenovo Wireless Laser Mouse (blk, via USB)	45K1696	ann 11/25/08
Lenovo Wireless Laser Mouse (red, via USB)	51J0198	ann 11/25/08

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

Multimedia

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

Security

Kensington® Cable Lock from Lenovo	73P2582	ann 12/29/03
Kensington Twin Head Cable Lock	45K1620	ann 09/30/08
USB Gemplus GemPC Smart Card Reader	41N3040	ann 02/21/06

Monitors

ThinkVision® L174 17" Monitor	9227AE1	ann 04/15/08
ThinkVision L1700p 17" Monitor	9417HE2	ann 09/17/08
ThinkVision L1900p 19" Monitor	4431HE1	ann 11/11/08
ThinkVision L1940p Wide 19" Monitor	4424HB6	ann 09/17/08
ThinkVision L200p Wide 20.1" Monitor	4438HB6	ann 04/15/08
ThinkVision L2240p Wide 22" Monitor	4422HB6	ann 09/17/08
ThinkVision L2440p Wide 24" Monitor	4420HB2	ann 09/17/08
ThinkVision L2440x Wide 24" Monitor	4421HB2	ann 09/17/08

More information at www.lenovo.com/thinkvision

Monitor Accessories⁴⁶

ThinkVision USB Soundbar	40Y7616	ann 08/23/05
ThinkVision Soundbar	45K1263	ann 09/16/08
Kensington Cable Lock from Lenovo	73P2582	ann 12/29/03
Kensington Twin Head Cable Lock	45K1620	ann 09/30/08
Radial Arm	19K4464	ann 05/05/00

⁴⁶ Compatible on selected Lenovo and ThinkVision monitors.

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

Medialess License Key (MLK)

Microsoft® Office 2007 Basic, English	43R1528	ann 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 www.lenovo.com/accessories

Accessories Guide pdf at www.lenovo.com/accessoriesguide



Lenovo ThinkCentre A62 Desktop with four Lenovo ThinkVision monitors



Lenovo ThinkCentre A62 Tower



Lenovo ThinkCentre A62 Desktop



Lenovo ThinkCentre A62 Tower and Lenovo ThinkCentre A62 Desktop



Lenovo ThinkCentre A62 Desktop with Lenovo ThinkVision L193p monitor



Lenovo ThinkCentre A62 Tower with Lenovo ThinkVision L193p monitor

Name	Type-model	Slot x bay	AMD processor	GHz	Core	Memory ⁶	SATA disk	SATA optical	Graphics	Monitor connectors	Preload	Global Educ	Avail date
A62	9486-F1U	4x3	Athlon 1640B	2.7	Single	1GB	160GB ²	DVD	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9486-F2U	4x3	Athlon X2 5000B	2.6	Dual	1GB	160GB	DVD	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9486-F3U	4x3	Athlon X2 5000B	2.6	Dual	1GB	160GB	DVD±RW	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9486-F4U	4x3	Athlon X2 5000B	2.6	Dual	2GB	160GB	DVD±RW	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9486-F5U	4x3	Athlon X2 5000B	2.6	Dual	2GB	250GB	DVD±RW	9300GE	DVI-I	XP Pro	None	Sep 08
A62	9486-F6U	4x3	Athlon X2 5400B	2.8	Dual	1GB	160GB	DVD	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9486-F7U	4x3	Athlon X2 5400B	2.8	Dual	2GB	250GB	DVD±RW	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9486-F8U	4x3	Phenom X3 8450	2.1	Triple	1GB	250GB	DVD	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9486-F9U	4x3	Phenom X3 8450	2.1	Triple	2GB	160GB	DVD±RW	9300GE	DVI-I	XP Pro	None	Sep 08

• These models have a 3-year limited warranty¹

Positioning Processor	<p><i>Stability and manageability for large enterprise and mid-market</i> AMD® Athlon™ Processor 1640B with single-core, virtualization technology, int DDR2 memory controller, and 512KB L2 cache or AMD Athlon X2 Dual-Core Processor 5000B or 5400B with dual-core, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache or AMD Phenom™ X3 Triple-Core Processor 8450 with triple-core, virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache Processor in Socket AM2 or AM2+</p>		<p>Desktop</p> <ul style="list-style-type: none"> • Business black color • 13.0" W X 16.2" D X 4.1" H • 331mm W X 412mm D X 104mm H • 19.4lb (8.8kg) in typical configuration • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention <p>Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, access, open* Bay ③ 3.5", 1" high, no access, std disk</p> <p>* supports reader/diskette/2nd disk</p> <p>Slot 1: Low Profile, PCI Express 2.0 x1 Slot 2: Low Profile, PCI Express 2.0 x16 (35w max)** Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3</p> <p>** used in some models</p>
Implementation			<p>Security</p> <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 • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • Individual USB port disablement
Memory	<p>1GB or 2GB std., 8GB max⁸, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; three sockets available; F8U/F9U: PC2-5300 667MHz DDR2, non-parity, dual-channel; <i>Others:</i> PC2-6400 800MHz DDR2, non-parity, dual-channel</p>		
Graphics	<p><i>Some:</i> ATI™ Radeon™ 3100, int graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D conn, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 monitors with optional dual-head ATI graphics adapter</p> <p><i>Some:</i> NVIDIA® GeForce® 9300 GE, PCI Express® x16 adapter, 256MB, one DVI-I connector (includes DVI-to-VGA dongle), S-Video out for TV-out, HDCP, DirectX 10, 30 watts</p>		
SATA disk	<p>160GB or 250GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts</p>		
SATA controller	<p>Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support</p>		
SATA DVD	<p><i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16X-48X Max⁴ Drive (41N5618)</p>		
SATA DVD±RW	<p><i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)</p>		
SATA cables	<p>Two SATA cables (each 1-drop to device), four SATA connectors on planar</p>		
eSATA port	<p>None</p>		
EIDE controller	<p>None</p>		
Diskette drive	<p>None</p>		
Media reader	<p>None</p>		
Chipset	<p>AMD 780V Chipset with HyperTransport™ 3.0 and PCI Express 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O</p>		
Front ports	<p>Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</p>		
Rear ports	<p>Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), F5U/F9U: monitor (DVI-I), S-Video out; <i>Others:</i> monitor (VGA DB-15, DVI-D)</p>		
Internal connector	<p>Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)</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, Realtek® ALC662 codec</p>		
Speaker	<p>One internal speaker for business audio</p>		
Ethernet	<p>Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0</p>		
Modem	<p>None</p>		
Security chip	<p>Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant</p>		
Keyboard	<p>Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo</p>		
Mouse	<p>Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo</p>		
Power supply	<p>220 watts with variable speed fan, manual switch</p>		
Preloaded operating system²⁰	<p>Accessories</p>		
- Microsoft® Windows® XP Professional with Vista® COA	1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984	
◇ Disk-to-Disk Recovery (in hidden protected area)	2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985	
◇ Vista Basic logo	1GB PC2-6400 NP DDR2 UDIMM	41U2977	
	2GB PC2-6400 NP DDR2 UDIMM	41U2978	
	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	
	USB 2.0 Lenovo Multimedia Headset	40Y8518	
	USB 2.0 Webcam	40Y8519	
	USB 2.0 Ultra Secure Memory Key 8GB	45J5918	
	ThinkVision® L2440p Wide 24" Monitor	4420HB2	
	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	
	Laser Tilt Wheel Mouse (USB, PS/2)	41U3074	
	Kensington Cable Lock from Lenovo	73P2582	
	ATI Radeon HD 2400 XT 256MB	43R1962	
	ATI Radeon HD 3470 256MB (DP, VGA)	45K1636	
	Other accessories at lenovo.com/accessories		
Preloaded applications⁵ (only some listed)			
• Rescue and Recovery™			
• Client Security Solution™			
• Microsoft Office 2007 Trial (60-day)			
• Multimedia Center for Think Offerings (DVD, DVD±RW)			
• Sonic RecordNow and Drive Letter Access (DVD±RW)			
• Corel® WinDVD® (DVD, DVD±RW)			
• Corel WinDVD Creator (DVD±RW)			
	<p>Supports ThinkVantage® technologies</p>		
	<p>GREENGUARD® certified RoHS-compliant</p>		
	<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5955) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5956) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5957) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5958) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5959) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 		

See footnotes for important warranty information
 US models announced September 9, 2008

Name	Type-model	Slot x bay	AMD processor	GHz	Core	Memory ⁶	SATA disk	SATA optical	Graphics	Monitor connectors	Vista preload	Global Educ	Avail date
A62	9486-E6U	4x3	Sempron LE-1300	2.3	Single	1GB	160GB ²	DVD±RW	3100	VGA, DVI-D	Business32	Educ	Sep 08
A62	9486-A4U	4x3	Athlon 1640B	2.7	Single	1GB	160GB	DVD	3100	VGA, DVI-D	Business32		Sep 08
A62	9486-H9U	4x3	Athlon X2 4450B	2.3	Dual	1GB	160GB	DVD±RW	3100	VGA, DVI-D	Business32	Educ	Sep 08
A62	9486-H8U	4x3	Athlon X2 4450B	2.3	Dual	2GB	160GB	DVD±RW	3100	VGA, DVI-D	Business32		Sep 08
A62	9486-H7U	4x3	Athlon X2 4450B	2.3	Dual	1GB	160GB	DVD	3100	VGA, DVI-D	Business32		Sep 08
A62	9486-H6U	4x3	Athlon X2 4450B	2.3	Dual	1GB	160GB	DVD±RW	9300GE	DVI-I	Business32		Sep 08
A62	9486-A3U	4x3	Athlon X2 5000B	2.6	Dual	1GB	160GB	DVD±RW	3100	VGA, DVI-D	Business32		Sep 08
A62	9486-A1U	4x3	Athlon X2 5400B	2.8	Dual	2GB	160GB	DVD±RW	3100	VGA, DVI-D	Business32		Sep 08
A62	9486-A2U	4x3	Phenom X3 8600B	2.3	Triple	2GB	160GB	DVD±RW	3100	VGA, DVI-D	Business64		Sep 08

• These models have a 3-year limited warranty¹

Positioning Processor	<p><i>Stability and manageability for large enterprise and mid-market</i></p> <p>AMD® Sempron™ Processor LE-1300 with single-core, integrated DDR2 memory controller, and 512KB L2 cache or AMD Athlon™ Processor 1640B with single-core, virtualization technology, int DDR2 memory controller, and 512KB L2 cache or AMD Athlon X2 Dual-Core Processor 4450B, 5000B, or 5400B with dual-core, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache or AMD Phenom™ X3 Triple-Core Processor 8600B with triple-core, virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache Processor in Socket AM2 or AM2+</p>	<p>Desktop</p> <ul style="list-style-type: none"> • Business black color • 13.0" W X 16.2" D X 4.1" H • 331mm W X 412mm D X 104mm H • 19.4lb (8.8kg) in typical configuration • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention <p>Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, access, open* Bay ③ 3.5", 1" high, no access, std disk</p> <p>* supports reader/diskette/2nd disk</p> <p>Slot 1: Low Profile, PCI Express 2.0 x1 Slot 2: Low Profile, PCI Express 2.0 x16 (35w max)** Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3</p> <p>** used in some models</p>
Implementation		
Memory	<p>1GB or 2GB std, 8GB max⁸, four 240-pin DIMM sockets;</p> <p><i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; three sockets available; H8U/H9U: PC2-5300 667MHz DDR2, non-parity, dual-channel; Others: PC2-6400 800MHz DDR2, non-parity, dual-channel</p>	
Graphics	<p><i>Some:</i> ATI™ Radeon™ 3100, integrated graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 monitors with optional dual-head ATI graphics adapter</p> <p><i>Some:</i> NVIDIA® GeForce® 9300 GE, PCI Express® x16 adapter, 256MB, one DVI-I connector (includes DVI-to-VGA dongle), S-Video out for TV-out, HDCP, DirectX 10, 30 watts</p>	<p>Security</p> <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 • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • Individual USB port disablement
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support	
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16X-48X Max ⁴ Drive (41N5618)	
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors on planar	
eSATA port	None	
EIDE controller	None	
Diskette drive	None	
Media reader	None	
Chipset	AMD 780V Chipset with HyperTransport™ 3.0 and PCI Express 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Supports ThinkVantage® technologies
Rear ports	Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), H6U: monitor (DVI-I), S-Video out; Others: monitor (VGA DB-15, DVI-D)	GREENGUARD® certified RoHS-compliant
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)	Limited Warranty¹
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	↪ 3-year parts and labor
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	↪ International Warranty Service⁹
Speaker	One internal speaker for business audio	↪ 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)
Ethernet	Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0	↪ Onsite service upgrade options (in eligible locations):⁷
Modem	None	• 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5955)
Security chip	Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant	• 3-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5956)
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo	• 4-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5957)
Mouse	Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo	• 4-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5958)
Power supply	220 watts with variable speed fan, manual switch	• 4-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5959)
Preloaded operating system²⁰	Accessories	↪ ThinkPlus services at lenovo.com/thinkplus/warranty
- <i>Some:</i> Microsoft® Windows® Vista Business Edition (32-bit)	1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984	↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
- <i>Some:</i> Microsoft Windows Vista Business Edition (64-bit)	2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985	
↪ Vista Premium logo	1GB PC2-6400 NP DDR2 UDIMM 41U2977	
Preloaded applications⁵ (all OSes; only some listed)	2GB PC2-6400 NP DDR2 UDIMM 41U2978	
• Rescue and Recovery™	USB 2.0 Lenovo Multimedia Headset 40Y8518	
• Client Security Solution™	USB 2.0 Lenovo Webcam 40Y8519	
• ThinkVantage Productivity Center	USB 2.0 Ultra Secure Memory Key 8GB 45J5918	
• ThinkVantage System Update	ThinkVision® L2440p Wide 24" Monitor 4420HB2	
• Norton Internet Security™	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067	
• Microsoft Office 2007 Trial (60-day)	Kensington Cable Lock from Lenovo 73P2582	
	ATI Radeon HD 2400 XT 256MB 43R1962	
	ATI Radeon HD 3470 256MB (DP, VGA) 45K1636	
	Other accessories at lenovo.com/accessories	

See footnotes for important warranty information

US models announced September 9, 2008; previous models on August 12, 2008

ThinkCentre® A62 Desktop (7057) - ENERGY STAR® 4.0

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	AMD processor	GHz	Core	Memory ^a	SATA disk	SATA optical	Integrated graphics	Monitor connectors	ENERGY STAR 4.0	Preload	Global Educ	Avail date
A62	7057-B5U	4x3	Athlon X2 5000B	2.6	Dual	1GB	160GB ²	DVD	3100	VGA, DVI-D	ES40	XP Pro	None	Sep 08
A62	7057-B6U	4x3	Athlon X2 5000B	2.6	Dual	2GB	160GB	DVD±RW	3100	VGA, DVI-D	ES40	XP Pro	None	Sep 08
A62	7057-B7U	4x3	Athlon X2 5400B	2.8	Dual	2GB	250GB	DVD±RW	3100	VGA, DVI-D	ES40	XP Pro	None	Sep 08
ES A62	7057-B8U	4x3	Phenom X3 8450	2.1	Triple	1GB	160GB	DVD	3100	VGA, DVI-D	ES40	XP Pro	None	Dec 08
A62	7057-A3U	4x3	Athlon 1640B	2.7	Single	1GB	160GB	DVD	3100	VGA, DVI-D	ES40	Bus32	None	Sep 08
A62	7057-BBU	4x3	Athlon X2 4450B	2.3	Dual	1GB	160GB	DVD	3100	VGA, DVI-D	ES40	Bus32	None	Sep 08
A62	7057-A2U	4x3	Athlon X2 5000B	2.6	Dual	1GB	160GB	DVD±RW	3100	VGA, DVI-D	ES40	Bus32	None	Sep 08
ES A62	7057-A1U	4x3	Phenom X3 8600B	2.3	Triple	2GB	160GB	DVD±RW	3100	VGA, DVI-D	ES40	Bus64	None	Dec 08

• These models have a 3-year limited warranty¹

Positioning Processor	Stability and manageability for large enterprise and mid-market AMD® Athlon™ Processor 1640B with single-core, virtualization technology, int DDR2 memory controller, and 512KB L2 cache or AMD Athlon X2 Dual-Core Processor 4450B, 5000B, or 5400B with dual-core , virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache or AMD Phenom™ X3 Triple-Core Processor 8450 or 8600B with triple-core , virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache Processor in Socket AM2 or AM2+		Desktop <ul style="list-style-type: none"> Business black color 13.0" W X 16.2" D X 4.1" H 331mm W X 412mm D X 104mm H 19.4lb (8.8kg) in typical configuration Toolless cover removal Toolless disk, diskette drive, optical drive removal Toolless adapter retention 																																																															
Implementation	1GB or 2GB std, 8GB max ⁸ , four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; three sockets available; <i>Others:</i> PC2-5300 667MHz DDR2 , non-parity, dual-channel capable; <i>Axx:</i> PC2-6400 800MHz DDR2 , non-parity, dual-channel capable		Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, access, open* Bay ③ 3.5", 1" high, no access, std disk * supports reader/diskette/2nd disk																																																															
Memory	ATI™ Radeon™ 3100 , integrated graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 independent monitors with optional dual-head ATI graphics adapter		Slot 1: Low Profile, PCI Express 2.0 x1 Slot 2: Low Profile, PCI Express 2.0 x16 (35w max) Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3																																																															
Graphics	160GB or 250GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts SATA controller Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support SATA DVD <i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16X-48X Max ⁴ Drive (41N5618) SATA DVD±RW <i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620) SATA cables Two SATA cables (each 1-drop to device), four SATA connectors on planar eSATA port None EIDE controller None Diskette drive None Media reader None		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 Hard disk password Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control Parallel port I/O control Individual USB port disablement Supports ThinkVantage® technologies																																																															
SATA disk	AMD 780V Chipset with HyperTransport™ 3.0 and PCI Express® 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O		EPEAT™ Gold rating ENERGY STAR 4.0-compliant GREENGUARD® certified RoHS-compliant																																																															
SATA controller	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D)		Limited Warranty¹ <ul style="list-style-type: none"> 3-year parts and labor International Warranty Service⁹ 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) Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5955) 3-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5956) 4-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5957) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5958) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5959) ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance services available 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 																																																															
SATA DVD	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)																																																																	
SATA DVD±RW	High Definition (HD) Audio, Realtek® ALC662 codec One internal speaker for business audio																																																																	
SATA cables	Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0																																																																	
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Preloaded operating system ²⁰	Accessories <table border="0"> <tr> <td>- <i>Some:</i> Microsoft® Windows® XP Professional with Vista® COA</td> <td>1GB PC2-5300 CL5 NP DDR2 UDIMM</td> <td>73P4984</td> </tr> <tr> <td>- <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit)</td> <td>2GB PC2-5300 CL5 NP DDR2 UDIMM</td> <td>73P4985</td> </tr> <tr> <td>- <i>Some:</i> Microsoft Windows Vista Business Edition (64-bit)</td> <td>1GB PC2-6400 NP DDR2 UDIMM</td> <td>41U2977</td> </tr> <tr> <td>◇ XP models: Vista Basic logo</td> <td>2GB PC2-6400 NP DDR2 UDIMM</td> <td>41U2978</td> </tr> <tr> <td>◇ Vista models: Vista Premium logo</td> <td>250GB SATA 3.0Gb/s Disk (7200 rpm)</td> <td>41N3015</td> </tr> <tr> <td></td> <td>500GB SATA 3.0Gb/s Disk (7200 rpm)</td> <td>43R1990</td> </tr> <tr> <td></td> <td>USB Portable Diskette Drive</td> <td>05K9276</td> </tr> <tr> <td></td> <td>USB 2.0 Lenovo Multimedia Headset</td> <td>40Y8518</td> </tr> <tr> <td></td> <td>USB 2.0 Lenovo Webcam</td> <td>40Y8519</td> </tr> <tr> <td></td> <td>USB 2.0 Essential Memory Key 32GB</td> <td>45K1258</td> </tr> <tr> <td></td> <td>USB 2.0 Ultra Secure Memory Key 8GB</td> <td>45J5918</td> </tr> <tr> <td></td> <td>USB 2.0 Portable Secure 320GB Hard Disk</td> <td>43R2019</td> </tr> <tr> <td></td> <td>ThinkVision® L2240p Wide 22" Monitor</td> <td>4422HB6</td> </tr> <tr> <td></td> <td>ThinkVision L2440p Wide 24" Monitor</td> <td>4420HB2</td> </tr> <tr> <td></td> <td>Wireless Kbd & Opt Wheel Mouse (via USB)</td> <td>73P4067</td> </tr> <tr> <td></td> <td>Laser Tilt Wheel Mouse (USB, PS/2)</td> <td>41U3074</td> </tr> <tr> <td></td> <td>Kensington Cable Lock from Lenovo</td> <td>73P2582</td> </tr> <tr> <td></td> <td>ATI Radeon HD 2400 XT 256MB</td> <td>43R1962</td> </tr> <tr> <td></td> <td>ATI Radeon HD 3470 256MB (DP, VGA)</td> <td>45K1636</td> </tr> <tr> <td></td> <td>Acc Guide in pdf lenovo.com/accessoriesguide</td> <td></td> </tr> <tr> <td></td> <td>Other accessories at lenovo.com/accessories</td> <td></td> </tr> </table>		- <i>Some:</i> Microsoft® Windows® XP Professional with Vista® COA	1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984	- <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit)	2GB PC2-5300 CL5 NP DDR2 UDIMM	73P4985	- <i>Some:</i> Microsoft Windows Vista Business Edition (64-bit)	1GB PC2-6400 NP DDR2 UDIMM	41U2977	◇ XP models: Vista Basic logo	2GB PC2-6400 NP DDR2 UDIMM	41U2978	◇ Vista models: Vista Premium logo	250GB SATA 3.0Gb/s Disk (7200 rpm)	41N3015		500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990		USB Portable Diskette Drive	05K9276		USB 2.0 Lenovo Multimedia Headset	40Y8518		USB 2.0 Lenovo Webcam	40Y8519		USB 2.0 Essential Memory Key 32GB	45K1258		USB 2.0 Ultra Secure Memory Key 8GB	45J5918		USB 2.0 Portable Secure 320GB Hard Disk	43R2019		ThinkVision® L2240p Wide 22" Monitor	4422HB6		ThinkVision L2440p Wide 24" Monitor	4420HB2		Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067		Laser Tilt Wheel Mouse (USB, PS/2)	41U3074		Kensington Cable Lock from Lenovo	73P2582		ATI Radeon HD 2400 XT 256MB	43R1962		ATI Radeon HD 3470 256MB (DP, VGA)	45K1636		Acc Guide in pdf lenovo.com/accessoriesguide			Other accessories at lenovo.com/accessories		
- <i>Some:</i> Microsoft® Windows® XP Professional with Vista® COA	1GB PC2-5300 CL5 NP DDR2 UDIMM	73P4984																																																																
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	USB 2.0 Lenovo Multimedia Headset	40Y8518																																																																
	USB 2.0 Lenovo Webcam	40Y8519																																																																
	USB 2.0 Essential Memory Key 32GB	45K1258																																																																
	USB 2.0 Ultra Secure Memory Key 8GB	45J5918																																																																
	USB 2.0 Portable Secure 320GB Hard Disk	43R2019																																																																
	ThinkVision® L2240p Wide 22" Monitor	4422HB6																																																																
	ThinkVision L2440p Wide 24" Monitor	4420HB2																																																																
	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067																																																																
	Laser Tilt Wheel Mouse (USB, PS/2)	41U3074																																																																
	Kensington Cable Lock from Lenovo	73P2582																																																																
	ATI Radeon HD 2400 XT 256MB	43R1962																																																																
	ATI Radeon HD 3470 256MB (DP, VGA)	45K1636																																																																
	Acc Guide in pdf lenovo.com/accessoriesguide																																																																	
	Other accessories at lenovo.com/accessories																																																																	

See footnotes for important warranty information

ES US models announced December 9, 2008; previous models on August 12 or September 9, 2008

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Name	Type-model	Slot x bay	AMD processor	GHz	Core	Memory ⁶	SATA disk	SATA optical	Integrated graphics	Monitor connectors	Vista preload	Global (G) GMP (P)	Avail date
A62	7062-A1U	4x3	Athlon X2 5400B	2.8	Dual	2GB	160GB ²	DVD±RW	3100	VGA, DVI-D	Business32	G P	Sep 08

- This model is part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty

Positioning Processor	Stability and manageability for large enterprise and mid-market AMD® Athlon™ X2 Dual-Core Processor 5400B with dual-core, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache		Desktop <ul style="list-style-type: none"> • Business black color • 13.0" W X 16.2" D X 4.1" H • 331mm W X 412mm D X 104mm H • 19.4lb (8.8kg) in typical configuration • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention <p>Bay ① 5.25", 1.6" high, access, std optical Bay ② 3.5", 1" high, access, open* Bay ③ 3.5", 1" high, no access, std disk</p> <p>* supports reader/diskette/2nd disk</p> <p>Slot 1: Low Profile, PCI Express 2.0 x1 Slot 2: Low Profile, PCI Express 2.0 x16 (35w max) Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3</p>
Implementation	Processor in Socket AM2		
Memory	2GB std , 8GB max ⁶ , PC2-6400 800MHz DDR2 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available		
Graphics	ATI™ Radeon™ 3100 , integrated graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 independent monitors with optional dual-head ATI graphics adapter		
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support		
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors		
eSATA port	None		
EIDE controller	None		
Diskette drive	None		
Media reader	None		
Chipset	AMD 780V Chipset with HyperTransport™ 3.0 and PCI Express® 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Marvel® 88E8070, Wake on LAN®, ASF 2.0		
Modem	None		
Security chip	Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		
Mouse	Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo		
Power supply	220 watts with variable speed fan, manual switch		
Preloaded operating system²⁰	Accessories		
- Microsoft® Windows® Vista® Business Edition (32-bit)	1GB PC2-6400 NP DDR2 UDIMM	41U2977	
◇ Vista Premium logo	2GB PC2-6400 NP DDR2 UDIMM	41U2978	
Preloaded applications⁵	250GB SATA 3.0Gb/s Disk (7200 rpm)	41N3015	
• Rescue and Recovery™	500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	
• Client Security Solution™	USB Portable Diskette Drive	05K9276	
• ThinkVantage Productivity Center	USB 2.0 Lenovo Multimedia Headset	40Y8518	
• ThinkVantage System Update	USB 2.0 Lenovo Webcam	40Y8519	
• Norton Internet Security™ (90 days of virus definitions)	USB 2.0 Essential Memory Key 32GB	45K1258	
• Diskeeper® Home	USB 2.0 Security Memory Key 2GB	41U5119	
• PC-Doctor™ (diagnostics)	USB 2.0 Security Memory Key 4GB	41U5120	
• Adobe® Reader	USB 2.0 Ultra Secure Memory Key 2GB	45J5916	
• Windows Live™ Toolbar	USB 2.0 Ultra Secure Memory Key 4GB	45J5917	
• Windows Live Search	USB 2.0 Ultra Secure Memory Key 8GB	45J5918	
• Picasa from Google	USB 2.0 Portable 160GB Hard Disk	43R1784	
• Microsoft Office 2007 Trial (60-day)	USB 2.0 Portable Secure 320GB Hard Disk	43R2019	
• Sonic RecordNow and Drive Letter Access (DVD±RW)	ThinkVision® L1700p 17" Monitor	9417HE2	
• Corel® WinDVD® (DVD±RW)	ThinkVision L1940p Wide 19" Monitor	4424HB6	
	ThinkVision L2240p Wide 22" Monitor	4422HB6	
	ThinkVision L2440p Wide 24" Monitor	4420HB2	
	Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	
	Laser Tilt Wheel Mouse (USB, PS/2)	41U3074	
	Kensington Cable Lock from Lenovo	73P2582	
	ATI Radeon HD 2400 XT 256MB	43R1962	
	ATI Radeon HD 3470 256MB (DP, VGA)	45K1636	
	Acc Guide in pdf lenovo.com/accessoriesguide		
	Other accessories at lenovo.com/accessories		
	Supports ThinkVantage® technologies		
	GREENGUARD® certified RoHS-compliant		
	Limited Warranty¹		
	⇨ 3-year parts and labor		
	⇨ International Warranty Service ⁹		
	⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)		
	⇨ Onsite service upgrade options (in eligible locations): ⁷		
	• 4-year LOR 9x5, Next Business Day (ThinkPlus™ part number 45K5957)		
	• 4-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5958)		
	• 4-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5959)		
	⇨ ThinkPlus services at lenovo.com/thinkplus/warranty		
	⇨ Post warranty maintenance services available		
	⇨ 24 hour x 7 day ¹⁴ toll-free support during the warranty period ¹ via 800-426-7378		

See footnotes for important warranty information
US model announced August 12, 2008

ThinkCentre® A62 Tower (9705) - TopSeller

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	AMD processor	GHz	Core	Memory ^a	SATA disk	2nd Disk Bay	SATA optical	Integrated graphics	Monitor connectors	Vista preload	Global Educ	Avail date
A62	9705-B5U	4x4	Athlon 1640B	2.7	Single	1GB	160GB ^b	None	DVD±RW	3100	VGA, DVI-D	Home Basic	None	Dec 08
A62	9705-B6U	4x4	Athlon X2 4450B	2.3	Dual	2GB	160GB	None	DVD±RW	3100	VGA, DVI-D	Home Basic	None	Dec 08
A62	9705-B7U	4x4	Athlon X2 5000B	2.6	Dual	2GB	320GB	None	DVD±RW	3100	VGA, DVI-D	Home Premium	None	Dec 08

- **These small and medium business (SMB) models are part of the US TopSeller™ Program**
- **These models have a 1-year limited warranty¹**

Positioning Processor	Quality, reliability, and manageability for small/medium businesses		Tower		
Implementation	AMD® Athlon™ Processor 1640B with single-core, virtualization technology, int DDR2 memory controller, and 512KB L2 cache or AMD Athlon X2 Dual-Core Processor 4450B or 5000B with dual-core, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache Processor in Socket AM2		<ul style="list-style-type: none"> • Business black color • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2lb (11.0kg) in typical configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 		
Memory	1GB or 2GB std, 8GB max ⁸ , PC2-6400 800MHz DDR2, non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; three sockets 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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk Slot 1: half-length, full-height, PCIe 2.0 x1 Slot 2: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3		
Graphics	ATI™ Radeon™ 3100, integrated graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 independent monitors with optional dual-head ATI graphics adapter				
SATA disk	160GB or 320GB, SATA 3.0Gb/s 7200 rpm, vibration dampening				
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support				
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)				
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors on planar				
eSATA port	None				
EIDE controller	None				
Diskette drive	None				
Media reader	None				
Chipset	AMD 780V Chipset with HyperTransport™ 3.0 and PCI Express® 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O				
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)				
Rear ports	Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D)				
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)				
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)				
Audio	High Definition (HD) Audio, Realtek® ALC662 codec				
Speaker	One internal speaker for business audio				
Ethernet	Gigabit ethernet on planar, Marvel® 88E8070, Wake on LAN®, ASF 2.0				
Modem	None				
Security chip	Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant				
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo				
Mouse	Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo				
Power supply	280 watts with variable speed fan, manual switch				
Preloaded operating system²⁰	Accessories		Limited Warranty¹		
- Some: Microsoft® Windows® Vista® Home Basic Edition (32-bit)	1GB PC2-6400 NP DDR2 UDIMM 41U2977		↔ 1-year parts and labor		
- Some: Microsoft Windows Vista Home Premium Edition (32-bit)	2GB PC2-6400 NP DDR2 UDIMM 41U2978		↔ International Warranty Service ⁹		
↔ Vista Basic logo	250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015		↔ 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)		
Preloaded applications⁵ (all OSes)	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990		↔ Onsite service upgrade options (in eligible locations): ⁷		
• Rescue and Recovery™	USB Portable Diskette Drive 05K9276		• 1-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5951)		
• Client Security Solution™	USB 2.0 Lenovo Multimedia Headset 40Y8518		• 2-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5949)		
• ThinkVantage Productivity Center	USB 2.0 Lenovo Webcam 40Y8519		• 2-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5952)		
• ThinkVantage System Update	USB 2.0 Essential Memory Key 32GB 45K1258		• 3-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5950)		
• Norton Internet Security™ (90 days of virus definitions)	USB 2.0 Ultra Secure Memory Key 2GB 45J5916		• 3-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5953)		
• Diskeeper® Home	USB 2.0 Ultra Secure Memory Key 4GB 45J5917		↔ ThinkPlus services at lenovo.com/thinkplus/warranty		
• PC-Doctor™ (diagnostics)	USB 2.0 Ultra Secure Memory Key 8GB 45J5918		↔ Post warranty maintenance services available		
• Adobe® Reader	USB 2.0 Portable 160GB Hard Disk 43R1784		↔ 24 hour x 7 day ¹⁴ toll-free support during the warranty period ¹ via 800-426-7378		
• Windows Live™ Toolbar	USB 2.0 Portable Secure 320GB Hard Disk 43R2019				
• Windows Live Search	ThinkVision® L1700p 17" Monitor 9417HE2				
• Picasa from Google	ThinkVision L1940p Wide 19" Monitor 4424HB6				
• Microsoft Office 2007 Trial (60-day)	ThinkVision L2240p Wide 22" Monitor 4422HB6				
• EarthLink Trial	ThinkVision L2440p Wide 24" Monitor 4420HB2				
• Sonic RecordNow and Drive Letter Access (DVD±RW)	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067				
• Corel® WinDVD® (DVD±RW)	Laser Tilt Wheel Mouse (USB, PS/2) 41U3074				
	Kensington Cable Lock from Lenovo 73P2582				
	ATI Radeon HD 2400 XT 256MB 43R1962				
	ATI Radeon HD 3470 256MB (DP, VGA) 45K1636				
	NVIDIA® GeForce® 9500GT 512MB (DP, DVI) 45K1635				
	Acc Guide in pdf lenovo.com/accessoriesguide				
	Other accessories at lenovo.com/accessories				

See footnotes for important warranty information
US models announced November 25, 2008

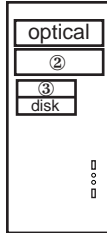
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(ATHN1-10) December 2008

ThinkCentre® A62 Tower (9705) - TopSeller (December 2008)

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	AMD processor	GHz Core	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor connectors	Vista preload	Global Educ	Avail date
A62	9705-B8U	4x4	Phenom X3 8450	2.1 Triple	3 x 1GB	320GB ²	DVD±RW	3100, 3470	VGA, DVI-D, VGA, DP	Home Prem	No	Jan 09

- **This small and medium business (SMB) model is part of the US TopSeller™ Program**
- **This model has a 1-year limited warranty¹**

Positioning Processor	Quality, reliability, and manageability for small/medium businesses		AMD® Phenom™ X3 Triple-Core Processor 8450 with triple-core, virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache Processor in Socket AM2+		Tower			
Implementation					<ul style="list-style-type: none"> • Business black color • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2lb (11.0kg) in typical configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 			
Memory	3GB std, 8GB max⁸, PC2-6400 800MHz DDR2 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in three sockets; 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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk			
Graphics	ATI™ Radeon™ 3100 , integrated graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 independent monitors with standard dual-head ATI graphics adapter ATI Radeon HD 3470 , PCI Express® 2.0 x16 adapter, 256MB, one analog VGA DB-15 connector, one DisplayPort™ connector, HDCP, DirectX 10.1, ATI Avivo, SurroundView, 25 watts				Slot 1: half-length, full-height, PCIe 2.0 x1 Slot 2: half-length, full-height, PCIe 2.0 x16 (75w max)* Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3 * graphics adapter in slot			
SATA disk	320GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts							
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support							
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)							
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors							
eSATA port	None							
EIDE controller	None							
Diskette drive	None							
Media reader	None							
Chipset	AMD 780V Chipset with HyperTransport™ 3.0 and PCI Express 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O						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 • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • Individual USB port disablement 	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)							
Rear ports	Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D, VGA DB-15, DP)							
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)							
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)							
Audio	High Definition (HD) Audio, Realtek® ALC662 codec							
Speaker	One internal speaker for business audio							
Ethernet	Gigabit ethernet on planar, Marvel® 88E8070, Wake on LAN®, ASF 2.0							
Modem	None							
Security chip	Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant							
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo							
Mouse	Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo							
Power supply	280 watts with variable speed fan, manual switch							
Preloaded operating system²⁰	- Microsoft® Windows® Vista® Home Premium Edition (32-bit) ◇ Vista Premium logo		Accessories				GREENGUARD® certified RoHS-compliant	
Preloaded applications⁵	<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • EarthLink Trial • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD±RW) 		1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision® L1700p 17" Monitor 9417HE2 ThinkVision L1940p Wide 19" Monitor 4424HB6 ThinkVision L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 ThinkVision L2440x Wide 24" Monitor 4421HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ATI Radeon HD 2400 XT 256MB 43R1962 ATI Radeon HD 3470 256MB (DP, VGA) 45K1636 NVIDIA® GeForce® 9500GT 512MB (DP, DVI) 45K1635 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories				Limited Warranty¹ <ul style="list-style-type: none"> ⇨ 1-year parts and labor ⇨ International Warranty Service⁹ ⇨ 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) ⇨ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 1-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5951) • 2-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5949) • 2-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5952) • 3-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5950) • 3-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5953) ⇨ ThinkPlus services at lenovo.com/thinkplus/warranty ⇨ Post warranty maintenance services available ⇨ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	

See footnotes for important warranty information
US model announced December 16, 2008

ThinkCentre® A62 Tower (9935) - TopSeller

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	AMD processor	GHz	Core	Memory ⁸	SATA disk	2nd Disk Bay	SATA optical	Integrated graphics	Monitor connectors	Preload	Global Educ	Avail date
A62	9935-B1U	4x4	Athlon 1640B	2.7	Single	1GB	160GB ²	None	DVD	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9935-B6U	4x4	Athlon X2 4450B	2.3	Dual	1GB	160GB	None	DVD	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9935-B7U	4x4	Athlon X2 4450B	2.3	Dual	2GB	160GB	None	DVD±RW	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9935-B2U	4x4	Athlon X2 5000B	2.6	Dual	1GB	160GB	None	DVD	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9935-B3U	4x4	Athlon X2 5000B	2.6	Dual	2GB	160GB	None	DVD±RW	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9935-B4U	4x4	Phenom X3 8450	2.1	Triple	1GB	160GB	None	DVD±RW	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9935-B5U	4x4	Phenom X3 8450	2.1	Triple	2GB	320GB	None	DVD±RW	3100	VGA, DVI-D	XP Pro	None	Sep 08

• These small and medium business (SMB) models are part of the US TopSeller™ Program
 • These models have a 3-year limited warranty¹

Positioning Processor	Quality, reliability, and manageability for small/medium businesses AMD® Athlon™ Processor 1640B with single-core, virtualization technology, int DDR2 memory controller, and 512KB L2 cache or AMD Athlon X2 Dual-Core Processor 4450B or 5000B with dual-core, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache or AMD Phenom™ X3 Triple-Core Processor 8450 with triple-core, virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache Processor in Socket AM2 or AM2+	Tower <ul style="list-style-type: none"> Business black color 6.9" W X 17.3" D X 15.8" H 175mm W X 440mm D X 402mm H 24.2lb (11.0kg) in typical configuration Handle on top front Toolless cover removal Toolless disk, diskette drive, optical drive removal Toolless adapter retention 
Implementation		
Memory	1GB or 2GB std , 8GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; three sockets 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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk
Graphics	ATI™ Radeon™ 3100 , integrated graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 independent monitors with optional dual-head ATI graphics adapter	Slot 1: half-length, full-height, PCIe 2.0 x1 Slot 2: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3
SATA disk	160GB or 320GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	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 Hard disk password Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control Parallel port I/O control Individual USB port disablement
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support	
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16X-48X Max ⁴ Drive (41N5618)	
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors on planar	
eSATA port	None	
EIDE controller	None	
Diskette drive	None	
Media reader	None	
Chipset	AMD 780V Chipset with HyperTransport™ 3.0 and PCI Express® 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D)	
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker	One internal speaker for business audio	
Ethernet	Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0	
Modem	None	
Security chip	Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo	
Mouse	Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo	
Power supply	280 watts with variable speed fan, manual switch	
Preloaded operating system²⁰ - Microsoft® Windows® XP Professional with Vista® COA ♦ Disk-to-Disk Recovery (in hidden protected area) ♦ Vista Basic logo Preloaded applications⁵ (only some listed) • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • Norton Internet Security™ • Diskeeper® Home • PC-Doctor™ (diagnostics) • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Multimedia Center for Think Offerings (DVD, DVD±RW) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD, DVD±RW) • Corel WinDVD Creator (DVD±RW)		Accessories 1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision® L1940p Wide 19" Monitor 4424HB6 ThinkVision L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ATI Radeon HD 2400 XT 256MB 43R1962 ATI Radeon HD 3470 256MB (DP, VGA) 45K1636 NVIDIA® GeForce® 9500GT 512MB (DP, DVI) 45K1635 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories
		Limited Warranty¹ ⇨ 3-year parts and labor ⇨ International Warranty Service ⁹ ⇨ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇨ Onsite service upgrade options (in eligible locations): ⁷ <ul style="list-style-type: none"> 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5955) 3-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5956) 4-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5957) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5958) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5959) ⇨ ThinkPlus services at lenovo.com/thinkplus/warranty ⇨ Post warranty maintenance services available ⇨ 24 hour x 7 day ¹⁴ toll-free support during the warranty period ¹ via 800-426-7378

See footnotes for important warranty information
US models announced September 9, 2008

Name	Type-model	Slot x bay	AMD processor	GHz	Core	Memory ⁸	SATA disk	2nd Disk Bay	SATA optical	Graphics	Monitor connectors	Preload	Global Educ	Avail date
A62	9485-E4U	4x5	Athlon 1640B	2.7	Single	1GB	160GB ²	Bay	DVD	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9485-E5U	4x5	Athlon X2 5000B	2.6	Dual	1GB	160GB	Bay	DVD	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9485-E6U	4x5	Athlon X2 5000B	2.6	Dual	1GB	160GB	Bay	DVD±RW	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9485-E7U	4x5	Athlon X2 5000B	2.6	Dual	2GB	160GB	Bay	DVD±RW	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9485-E8U	4x4	Athlon X2 5400B	2.8	Dual	1GB	250GB		DVD	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9485-E9U	4x5	Athlon X2 5400B	2.8	Dual	2GB	250GB	Bay	DVD±RW	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9485-F1U	4x5	Phenom X3 8450	2.1	Triple	1GB	160GB	Bay	DVD	3100	VGA, DVI-D	XP Pro	None	Sep 08
A62	9485-F2U	4x5	Phenom X3 8450	2.1	Triple	2GB	160GB	Bay	DVD±RW	9300GE	VGA, DVI-I	XP Pro	None	Sep 08

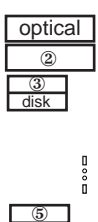
• **These models have a 3-year limited warranty¹**

Positioning Processor	<p><i>Stability and manageability for large enterprise and mid-market</i></p> <p>AMD® Athlon™ Processor 1640B with single-core, virtualization technology, int DDR2 memory controller, and 512KB L2 cache or AMD Athlon X2 Dual-Core Processor 5000B or 5400B with dual-core, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache or AMD Phenom™ X3 Triple-Core Processor 8450 with triple-core, virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache Processor in Socket AM2 or AM2+</p>	<p>Tower</p> <ul style="list-style-type: none"> • Business black color • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2lb (11.0kg) in typical configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 	
Implementation			
Memory	<p>1GB or 2GB std, 8GB max⁸, PC2-5300 667MHz DDR2, non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; three sockets available</p>	<p>Bay ① 5.25", 1.6" high, access, std optical</p> <p>Bay ② 5.25", 1.6" high, access, open</p> <p>Bay ③ 3.5", 1" high, access, open (reader/diskette)</p> <p>Bay ④ 3.5", 1" high, no access, std disk</p> <p>Bay ⑤ 3.5", 1" high, no access, opt disk*</p>	
Graphics	<p><i>Some:</i> ATI™ Radeon™ 3100, int graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D conn, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 monitors with optional dual-head ATI graphics adapter</p> <p><i>Some:</i> NVIDIA® GeForce® 9300 GE, PCI Express® x16 adapter, 256MB, one analog VGA DB-15 conn via cable, one DVI-I conn, S-Video out for TV-out, HDCP, DirectX 10, 30 watts</p>	<p>* 2nd Disk Bay is only available on some models</p> <p>Slot 1: half-length, full-height, PCIe 2.0 x1</p> <p>Slot 2: half-length, full-height, PCIe 2.0 x16 (75w max)**</p> <p>Slot 3: half-length, full-height, 32-bit PCI 2.3</p> <p>Slot 4: half-length, full-height, 32-bit PCI 2.3</p> <p>** used in some models</p>	
SATA disk	<p>160GB or 250GB, SATA 3.0Gb/s 7200 rpm, vibration dampening</p>		
SATA controller	<p>Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support</p>		
SATA DVD	<p><i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16X-48X Max⁴ Drive (41N5618)</p>		
SATA DVD±RW	<p><i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)</p>		
SATA cables	<p>Two SATA cables (each 1-drop to device), four SATA connectors on planar</p>		
eSATA port	<p>None</p>		
EIDE controller	<p>None</p>		
Diskette drive	<p>None</p>		
Media reader	<p>None</p>		
Chipset	<p>AMD 780V Chipset with HyperTransport™ 3.0 and PCI Express 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O</p>		
Front ports	<p>Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</p>		
Rear ports	<p>Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45),</p> <p><i>F2U:</i> monitor (VGA DB-15, DVI-I), S-Video out;</p> <p><i>Others:</i> monitor (VGA DB-15, DVI-D)</p>		
Internal connector	<p>Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)</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, Realtek® ALC662 codec</p>		
Speaker	<p>One internal speaker for business audio</p>		
Ethernet	<p>Gigabit ethernet on planar, Marvel® 88E8070, Wake on LAN®, ASF 2.0</p>		
Modem	<p>None</p>		
Security chip	<p>Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant</p>		
Keyboard	<p>Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo</p>		
Mouse	<p>Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo</p>		
Power supply	<p>280 watts with variable speed fan, manual switch</p>		
Preloaded operating system²⁰	<ul style="list-style-type: none"> - Microsoft® Windows® XP Professional with Vista® COA ◇ Disk-to-Disk Recovery (in hidden protected area) ◇ Vista Basic log 	<p>Accessories</p> <ul style="list-style-type: none"> 1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984 2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision® L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ATI Radeon HD 2400 XT 256MB 43R1962 ATI Radeon HD 3470 256MB (DP, VGA) 45K1636 NVIDIA® GeForce® 9500GT 512MB (DP, DVI) 45K1635 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories 	
Preloaded applications⁵ (only some listed)	<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • Microsoft Office 2007 Trial (60-day) • Multimedia Center for Think Offerings (DVD, DVD±RW) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD, DVD±RW) • Corel WinDVD Creator (DVD±RW) 		
		<p>Security</p> <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 • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • Individual USB port disablement 	
		<p>Supports ThinkVantage® technologies</p>	
		<p>GREENGUARD® certified</p> <p>RoHS-compliant</p>	
		<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5955) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5956) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5957) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5958) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5959) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ 	

See footnotes for important warranty information
US models announced September 9, 2008

Name	Type-model	Slot x bay	AMD processor	GHz	Core	Memory ⁸	SATA disk	2nd Disk Bay	SATA optical	Graphics	Monitor connectors	Vista preload	Global Educ	Avail date
A62	9485-A4U	4x5	Athlon 1640B	2.7	Single	1GB	160GB ²	Bay	DVD	3100	VGA, DVI-D	Bus32		Sep 08
A62	9485-F9U	4x4	Athlon X2 4450B	2.3	Dual	1GB	160GB		DVD	3100	VGA, DVI-D	Bus32		Sep 08
A62	9485-F8U	4x5	Athlon X2 4450B	2.3	Dual	1GB	160GB	Bay	DVD±RW	9300GE	VGA, DVI-I	Bus32		Sep 08
A62	9485-H1U	4x4	Athlon X2 4450B	2.3	Dual	2GB	160GB		DVD±RW	3100	VGA, DVI-D	Bus32	Educ	Sep 08
A62	9485-E2U	4x4	Athlon X2 5000B	2.6	Dual	1GB	160GB		DVD±RW	3100	VGA, DVI-D	Bus32		Sep 08
A62	9485-A1U	4x4	Athlon X2 5400B	2.8	Dual	2GB	160GB		DVD±RW	3100	VGA, DVI-D	Bus32		Sep 08
A62	9485-A2U	4x5	Phenom X3 8600B	2.3	Triple	2GB	160GB	Bay	DVD±RW	3100	VGA, DVI-D	Bus64		Sep 08

• These models have a 3-year limited warranty¹

Positioning Processor	Stability and manageability for large enterprise and mid-market AMD Athlon™ Processor 1640B with single-core, virtualization technology, int DDR2 memory controller, and 512KB L2 cache or AMD Athlon X2 Dual-Core Processor 4450B, 5000B, or 5400B with dual-core, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache or AMD Phenom™ X3 Triple-Core Processor 8600B with triple-core, virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache Processor in Socket AM2 or AM2+	Tower <ul style="list-style-type: none"> • Business black color • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2lb (11.0kg) in typical configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 
Implementation		
Memory	1GB or 2GB std , 8GB max ⁸ , four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available; <i>Non-italics:</i> standard memory in one socket; three sockets available; <i>Fxx/H1U:</i> PC2-5300 667MHz DDR2 , non-parity, dual-channel; <i>Others:</i> PC2-6400 800MHz DDR2 , non-parity, dual-channel	<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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk Bay ⑤ 3.5", 1" high, no access, opt disk*
Graphics	<i>Some:</i> ATI™ Radeon™ 3100 , int graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D conn, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 monitors with optional dual-head ATI graphics adapter <i>Some:</i> NVIDIA® GeForce® 9300 GE , PCI Express® x16 adapter, 256MB, one analog VGA DB-15 conn via cable, one DVI-I conn, S-Video out for TV-out, HDCP, DirectX 10, 30 watts	<ul style="list-style-type: none"> * 2nd Disk Bay is only available on some models Slot 1: half-length, full-height, PCIe 2.0 x1 Slot 2: half-length, full-height, PCIe 2.0 x16 (75w max)** Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3 ** used in some models

SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support
SATA DVD	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16X-48X Max ⁴ Drive (41N5618)
SATA DVD±RW	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors on planar
eSATA port	None
EIDE controller	None
Diskette drive	None
Media reader	None
Chipset	AMD 780V Chipset with HyperTransport™ 3.0 and PCI Express 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports	Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), <i>F8U:</i> monitor (VGA DB-15, DVI-I), S-Video out; <i>Others:</i> monitor (VGA DB-15, DVI-D)
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
Audio	High Definition (HD) Audio, Realtek® ALC662 codec
Speaker	One internal speaker for business audio
Ethernet	Gigabit ethernet on planar, Marvel® 88E8070, Wake on LAN®, ASF 2.0
Modem	None
Security chip	Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo
Mouse	Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo
Power supply	280 watts with variable speed fan, manual switch

Security	<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 • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • Individual USB port disablement
	Supports ThinkVantage® technologies

	GREENGUARD® certified RoHS-compliant
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Limited Warranty¹	<ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5955) • 3-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5956) • 4-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5957) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5958) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5959) ↪ ThinkPlus services at lenovo.com/thinkplus/warranty ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
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Preloaded operating system²⁰	Accessories
- <i>Some:</i> Microsoft® Windows® Vista Business Edition (32-bit)	1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984
- <i>Some:</i> Microsoft Windows Vista Business Edition (64-bit)	2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985
↕ Vista Premium logo	1GB PC2-6400 NP DDR2 UDIMM 41U2977
Preloaded applications⁵ (all OSes; only some listed)	2GB PC2-6400 NP DDR2 UDIMM 41U2978
• <i>Some:</i> Education software	500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990
- VitalSource Library College Edition	USB 2.0 Lenovo Multimedia Headset 40Y8518
- Adobe® Instructor Resource Center	USB 2.0 Lenovo Webcam 40Y8519
- Adobe Digital School Collection	USB 2.0 Ultra Secure Memory Key 8GB 45J5918
- Photoshop Elements 6 (and CD)	USB 2.0 Portable Secure 320GB Hard Disk 43R2019
- Premier Elements 4 (and DVD)	ThinkVision® L2440p Wide 24" Monitor 4420HB2
- Acrobat 8 Professional (and CD)	Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067
- Contribute 4 (and CD)	Kensington Cable Lock from Lenovo 73P2582
• Rescue and Recovery™	ATI Radeon HD 2400 XT 256MB 43R1962
	ATI Radeon HD 3470 256MB (DP, VGA) 45K1636
	NVIDIA® GeForce® 9500GT 512MB (DP, DVI) 45K1635
	Acc Guide in pdf lenovo.com/accessoriesguide
	Other accessories at lenovo.com/accessories

See footnotes for important warranty information

US models announced September 9, 2008; previous models on August 12, 2008

ThinkCentre® A62 Tower (9625) - ENERGY STAR® 4.0

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	AMD processor	GHz	Core	Memory ^a	SATA disk	2nd Disk Bay	SATA optical	Graphics	Monitor connectors	ENERGY STAR 4.0	Preload	Global Educ	Avail date
A62	9625-B5U	4x4	Athlon X2 5000B	2.6	Dual	1GB	160GB ²		DVD	3100	VGA, DVI-D	ES40	XP Pro	None	Sep 08
A62	9625-B6U	4x4	Athlon X2 5000B	2.6	Dual	2GB	160GB		DVD±RW	3100	VGA, DVI-D	ES40	XP Pro	None	Sep 08
A62	9625-B7U	4x4	Athlon X2 5400B	2.8	Dual	2GB	250GB		DVD±RW	3100	VGA, DVI-D	ES40	XP Pro	None	Sep 08
A62	9625-B9U	4x4	Athlon X2 5400B	2.8	Dual	2GB	160GB		DVD±RW	9300GE	VGA, DVI-I	ES40	XP Pro	None	Sep 08
A62	9625-B8U	4x4	Phenom X3 8450	2.1	Triple	2GB	160GB		DVD	3100	VGA, DVI-D	ES40	XP Pro	None	Dec 08
A62	9625-A3U	4x5	Athlon 1640B	2.7	Single	1GB	160GB	Bay	DVD	3100	VGA, DVI-D	ES40	Bus32	None	Sep 08
A62	9625-D2U	4x4	Athlon X2 4450B	2.3	Dual	1GB	160GB		DVD±RW	3100	VGA, DVI-D	ES40	Bus32	None	Sep 08
A62	9625-A2U	4x5	Athlon X2 5000B	2.6	Dual	1GB	160GB	Bay	DVD±RW	3100	VGA, DVI-D	ES40	Bus32	None	Sep 08
A62	9625-A1U	4x5	Phenom X3 8600B	2.3	Triple	2GB	160GB	Bay	DVD±RW	3100	VGA, DVI-D	ES40	Bus64	None	Dec 08

• These models have a 3-year limited warranty¹

Positioning Processor	<p><i>Stability and manageability for large enterprise and mid-market</i></p> <p>AMD® Athlon™ Processor 1640B with single-core, virtualization technology, int DDR2 memory controller, and 512KB L2 cache or AMD Athlon X2 Dual-Core Processor 4450B, 5000B, or 5400B with dual-core, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache or AMD Phenom™ X3 Triple-Core Processor 8450 or 8600B with triple-core, virtualization technology, integrated DDR2 memory controller, 1.5MB dedicated L2 cache and 2MB shared L3 cache Processor in Socket AM2 or AM2+</p>		<p>Tower</p> <ul style="list-style-type: none"> • Business black color • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2lb (11.0kg) in typical configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 	
Implementation				
Memory	<p>1GB or 2GB std, 8GB max⁸, four 240-pin DIMM sockets;</p> <p><i>Italics:</i> standard memory in two sockets; two sockets available;</p> <p><i>Non-italics:</i> standard memory in one socket; three sockets available;</p> <p><i>D2U:</i> PC2-5300 667MHz DDR2, non-parity, dual-channel capable;</p> <p><i>Others:</i> PC2-6400 800MHz DDR2, non-parity, dual-channel capable</p>		<p>Bay ① 5.25", 1.6" high, access, std optical</p> <p>Bay ② 5.25", 1.6" high, access, open</p> <p>Bay ③ 3.5", 1" high, access, open (reader/diskette)</p> <p>Bay ④ 3.5", 1" high, no access, std disk</p> <p>Bay ⑤ 3.5", 1" high, no access, opt disk*</p>	
Graphics	<p><i>Some:</i> ATI™ Radeon™ 3100, int graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D conn, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 monitors with optional dual-head ATI graphics adapter</p> <p><i>Some:</i> NVIDIA® GeForce® 9300 GE, PCI Express® x16 adapter, 256MB, one analog VGA DB-15 conn via cable, one DVI-I conn, S-Video out for TV-out, HDCP, DirectX 10, 30 watts</p>		<p>* 2nd Disk Bay is only available on some models</p> <p>Slot 1: half-length, full-height, PCIe 2.0 x1</p> <p>Slot 2: half-length, full-height, PCIe 2.0 x16 (75w max)**</p> <p>Slot 3: half-length, full-height, 32-bit PCI 2.3</p> <p>Slot 4: half-length, full-height, 32-bit PCI 2.3</p> <p>** used in some models</p>	
SATA disk	<p>160GB or 250GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts</p>		<p>Security</p> <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 • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • Individual USB port disablement 	
SATA controller	<p>Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support</p>			
SATA DVD	<p><i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16X-48X Max⁴ Drive (41N5618)</p>			
SATA DVD±RW	<p><i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)</p>			
SATA cables	<p>Two SATA cables (each 1-drop to device), four SATA connectors on planar</p>			
eSATA port	<p>None</p>			
EIDE controller	<p>None</p>			
Diskette drive	<p>None</p>			
Media reader	<p>None</p>			
Chipset	<p>AMD 780V Chipset with HyperTransport™ 3.0 and PCI Express 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O</p>		<p>Supports ThinkVantage® technologies</p>	
Front ports	<p>Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</p>		<p>EPEAT™ Gold rating</p>	
Rear ports	<p>Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45),</p> <p><i>B9U:</i> monitor (VGA DB-15, DVI-I), S-Video out;</p> <p><i>Others:</i> monitor (VGA DB-15, DVI-D)</p>		<p>ENERGY STAR 4.0-compliant</p>	
Internal connector	<p>Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)</p>		<p>GREENGUARD® certified</p>	
Rear audio ports	<p>Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)</p>		<p>RoHS-compliant</p>	
Audio	<p>High Definition (HD) Audio, Realtek® ALC662 codec</p>			
Speaker	<p>One internal speaker for business audio</p>			
Ethernet	<p>Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0</p>			
Modem	<p>None</p>			
Security chip	<p>Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant</p>		<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 3-year parts and labor ↪ International Warranty Service⁹ ↪ 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) ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5955) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5958) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5959) ↪ Other ThinkPlus services at lenovo.com/thinkplus/warranty ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	
Keyboard	<p>Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo</p>			
Mouse	<p>Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo</p>			
Power supply	<p>280 watts with variable speed fan, autosensing, 80% PSU</p>			
Preloaded operating system²⁰	<p>Accessories</p>			
- <i>Some:</i> Microsoft® Windows® XP Professional with Vista® COA	<p>1GB PC2-5300 CL5 NP DDR2 UDIMM 73P4984</p> <p>2GB PC2-5300 CL5 NP DDR2 UDIMM 73P4985</p>			
- <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit)	<p>1GB PC2-6400 NP DDR2 UDIMM 41U2977</p> <p>2GB PC2-6400 NP DDR2 UDIMM 41U2978</p>			
- <i>Some:</i> Microsoft Windows Vista Business Edition (64-bit)	<p>500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990</p> <p>USB 2.0 Essential Memory Key 32GB 45K1258</p>			
↪ <i>XP models:</i> Vista Basic logo	<p>USB 2.0 Portable Secure 320GB Hard Disk 43R2019</p> <p>ThinkVision® L2440p Wide 24" Monitor 4420HB2</p>			
↪ <i>Vista models:</i> Vista Premium logo	<p>Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067</p> <p>Kensington Cable Lock from Lenovo 73P2582</p>			
Preloaded applications⁵ (all OSes; only some listed)	<p>ATI Radeon HD 2400 XT 256MB 43R1962</p> <p>ATI Radeon HD 3470 256MB (DP, VGA) 45K1636</p> <p>NVIDIA® GeForce® 9500GT 512MB (DP, DVI) 45K1635</p> <p>Other accessories at lenovo.com/accessories</p>			
• Microsoft Office 2007 Trial (60-day)				
• Sonic RecordNow and Drive Letter Access (DVD±RW)				
• Corel® WinDVD® (DVD, DVD±RW)				

See footnotes for important warranty information

US models announced December 9, 2008; previous models on August 12 or September 9, 2008

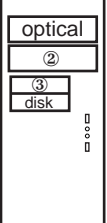
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ThinkCentre® A62 Tower (7061) - GMP

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	AMD processor	GHz	Core	Memory ⁸	SATA disk	2nd Disk Bay	SATA optical	Integrated graphics	Monitor connectors	Vista preload	Global (G) GMP (P)	Avail date
A62	7061-A1U	4x4	Athlon X2 5400B	2.8	Dual	2GB	160GB ²	None	DVD±RW	3100	VGA, DVI-D	Bus32	G P	Sep 08

- **This model is part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty**

Positioning Processor	<i>Stability and manageability for large enterprise and mid-market</i> AMD® Athlon™ X2 Dual-Core Processor 5400B with dual-core, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache		Tower <ul style="list-style-type: none"> • Business black color • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2lb (11.0kg) in typical configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 
Implementation	Processor in Socket AM2		
Memory	2GB std, 8GB max⁸, PC2-6400 800MHz DDR2 , non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets 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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk Slot 1: half-length, full-height, PCIe 2.0 x1 Slot 2: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3
Graphics	ATI™ Radeon™ 3100 , integrated graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 independent monitors with optional dual-head ATI graphics adapter		
SATA disk	160GB , SATA 3.0Gb/s 7200 rpm, vibration dampening mounts		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 • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • Individual USB port disablement
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support		
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)		
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors		
eSATA port	None		
EIDE controller	None		
Diskette drive	None		
Media reader	None		
Chipset	AMD 780V Chipset with HyperTransport™ 3.0 and PCI Express® 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	One internal speaker for business audio		
Ethernet	Gigabit ethernet on planar, Marvell® 88E8070, Wake on LAN®, ASF 2.0		
Modem	None		
Security chip	Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		
Mouse	Optical Wheel mouse (USB connector), 400dpi, black, Lenovo logo		
Power supply	280 watts with variable speed fan, manual switch		
Preloaded operating system²⁰	Accessories		Supports ThinkVantage® technologies
- Microsoft® Windows® Vista® Business Edition (32-bit) ♦ Vista Premium logo	1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Security Memory Key 2GB 41U5119 USB 2.0 Security Memory Key 4GB 41U5120 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision® L1700p 17" Monitor 9417HE2 ThinkVision L1940p Wide 19" Monitor 4424HB6 ThinkVision L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ATI Radeon HD 2400 XT 256MB 43R1962 ATI Radeon HD 3470 256MB (DP, VGA) 45K1636 NVIDIA® GeForce® 9500GT 512MB (DP, DVI) 45K1635 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories		
Preloaded applications⁵			GREENGUARD® certified ROHS-compliant
<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD±RW) 			Limited Warranty¹ <ul style="list-style-type: none"> ↔ 3-year parts and labor ↔ International Warranty Service⁹ ↔ 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) ↔ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 4-year LOR 9x5, Next Business Day (ThinkPlus™ part number 45K5957) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5958) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5959) ↔ ThinkPlus services at lenovo.com/thinkplus/warranty ↔ Post warranty maintenance services available ↔ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

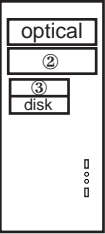
See footnotes for important warranty information
US model announced August 12, 2008

ThinkCentre® A62 Tower (3656) - ENERGY STAR® 4.0 (GMP)

Personal Systems Reference (PSREF)

Name	Type-model	Slot x bay	AMD processor	GHz	Core	Memory ⁸	SATA disk	2nd Disk Bay	SATA optical	Integrated graphics	Monitor connectors	ENERGY STAR 4.0	Vista preload	Global (G) GMP (P)	Avail date
A62	3656-AAU	4x4	Athlon X2 5400B	2.8	Dual	2GB	160GB ²	None	DVD±RW	3100	VGA, DVI-D	ES40	Bus32	G P	Jan 09

- This model is part of the Global Models Plus (GMP) program with limited onsite service³ 3-year limited warranty

Positioning Processor	Stability and manageability for large enterprise and mid-market AMD® Athlon™ X2 Dual-Core Processor 5400B with dual-core, virtualization technology, integrated DDR2 memory controller, and 1MB dedicated L2 cache Processor in Socket AM2										Tower <ul style="list-style-type: none"> • Business black color • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2lb (11.0kg) in typical configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 	
Implementation											Bay ① 5.25", 1.6" high, access, std optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk	
Memory	2GB std, 8GB max⁸, PC2-6400 800MHz DDR2, non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; two sockets available										Slot 1: half-length, full-height, PCIe 2.0 x1 Slot 2: half-length, full-height, PCIe 2.0 x16 (75w max) Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	
Graphics	ATI™ Radeon™ 3100, integrated graphics in 780V, uses main memory (up to 512MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 independent monitors with optional dual-head ATI graphics adapter											
SATA disk	160GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts											
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in SB700, RAID 0/1 support											
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)											
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors											
eSATA port	None											
EIDE controller	None											
Diskette drive	None											
Media reader	None											
Chipset	AMD 780V Chipset with HyperTransport™ 3.0 and PCI Express 2.0 support; SB700 south bridge for SATA 3.0Gb/s with RAID 0/1 support, ATA-133 EIDE, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O											
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)											
Rear ports	Six USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D)											
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)											
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)											
Audio	High Definition (HD) Audio, Realtek® ALC662 codec											
Speaker	One internal speaker for business audio											
Ethernet	Gigabit ethernet on planar, Marvel® 88E8070, Wake on LAN®, ASF 2.0											
Modem	None											
Security chip	Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant										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 • Hard disk password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control • Individual USB port disablement 	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo											
Mouse	Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo											
Power supply	280 watts with variable speed fan, autosensing, 80% PSU											
Preloaded operating system²⁰	- Microsoft® Windows® Vista® Business Edition (32-bit) ⇨ Vista Premium logo											
Preloaded applications⁵	<ul style="list-style-type: none"> • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • Norton Internet Security™ (90 days of virus definitions) • Diskeeper® Home • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Microsoft Office 2007 Trial (60-day) • Sonic RecordNow and Drive Letter Access (DVD±RW) • Corel® WinDVD® (DVD±RW) 											
Accessories	1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 250GB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 USB Portable Diskette Drive 05K9276 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 USB 2.0 Essential Memory Key 32GB 45K1258 USB 2.0 Security Memory Key 2GB 41U5119 USB 2.0 Security Memory Key 4GB 41U5120 USB 2.0 Ultra Secure Memory Key 2GB 45J5916 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Portable 160GB Hard Disk 43R1784 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ThinkVision® L1700p 17" Monitor 9417HE2 ThinkVision L1940p Wide 19" Monitor 4424HB6 ThinkVision L2240p Wide 22" Monitor 4422HB6 ThinkVision L2440p Wide 24" Monitor 4420HB2 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 Laser Tilt Wheel Mouse (USB, PS/2) 41U3074 Kensington Cable Lock from Lenovo 73P2582 ATI Radeon HD 2400 XT 256MB 43R1962 ATI Radeon HD 3470 256MB (DP, VGA) 45K1636 NVIDIA® GeForce® 9500GT 512MB (DP, DVI) 45K1635 Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories											
											Supports ThinkVantage® technologies	
											EPEAT™ Gold rating ENERGY STAR 4.0-compliant GREENGUARD® certified RoHS-compliant	
											Limited Warranty¹ <ul style="list-style-type: none"> ⇨ 3-year parts and labor ⇨ International Warranty Service⁹ ⇨ 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) ⇨ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 4-year LOR 9x5, Next Business Day (ThinkPlus™ part number 45K5957) • 4-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5958) • 4-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5959) ⇨ ThinkPlus services at lenovo.com/thinkplus/warranty ⇨ Post warranty maintenance services available ⇨ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 	

See footnotes for important warranty information
 US model announced December 9, 2008

Partial list of accessories supported on ThinkCentre A62

Memory

512MB PC2-5300 CL5 NP DDR2 UDIMM ⁴⁰	73P4983	ann 06/28/05
1GB PC2-5300 CL5 NP DDR2 UDIMM ⁴⁰	73P4984	ann 06/28/05
2GB PC2-5300 CL5 NP DDR2 UDIMM ⁴⁰	73P4985	ann 09/26/06
512MB PC2-6400 NP DDR2 UDIMM	41U2976	ann 09/26/06
1GB PC2-6400 NP DDR2 UDIMM	41U2977	ann 09/26/06
2GB PC2-6400 NP DDR2 UDIMM	41U2978	ann 01/08/08

⁴⁰ When PC2-5300 is installed with systems that have PC2-6400 memory, PC2-6400 will operate at the PC2-5300 memory speed.

Optical

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

Storage and removable storage

80GB SATA 3.0Gb/s Disk (7200 rpm)	09N4253	ann 05/19/03
160GB SATA 3.0Gb/s Disk (7200 rpm)	09N4254	ann 05/19/03
250GB SATA 3.0Gb/s Disk (7200 rpm)	41N3015	ann 01/24/06
500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	ann 11/06/07

USB 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 Essential Memory Key 4GB	45J7904	ann 06/24/08
USB 2.0 Essential Memory Key 8GB	45J7905	ann 07/15/08
USB 2.0 Essential Memory Key 32GB	45K1258	ann 10/28/08
USB 2.0 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 Ultra Secure Memory Key 1GB	45J5915	ann 08/26/08
USB 2.0 Ultra Secure Memory Key 2GB	45J5916	ann 08/26/08
USB 2.0 Ultra Secure Memory Key 4GB	45J5917	ann 08/26/08
USB 2.0 Ultra Secure Memory Key 8GB	45J5918	ann 08/26/08
USB 2.0 Portable 160GB Hard Disk	43R1784	ann 09/23/08
USB 2.0 Portable Secure 160GB Hard Disk	43R2018	ann 11/18/08
USB 2.0 Portable Secure 320GB Hard Disk	43R2019	ann 11/18/08
USB 2.0 CD-RW/DVD-ROM Combo II Drive	40Y8637	ann 01/05/06
USB 2.0 Super Multi-Burner Drive	41N5565	ann 01/23/07

Graphics

Desktop 9486/7057/7062/3658 support Low Profile 35 watts max:

ATI™ Radeon™ HD 2400 XT 256MB	43R1962	ann 11/06/07
ATI Radeon HD 3470 256MB (DP, VGA)	45K1636	ann 11/18/08

Tower 9705/9935/9485/9625/7061/3656 support 75 watts max:

ATI Radeon HD 2400 XT 256MB	43R1962	ann 11/06/07
ATI Radeon HD 3470 256MB (DP, VGA)	45K1636	ann 11/18/08
NVIDIA® GeForce® 9500 GT 512MB (DP, DVI)	45K1635	ann 11/18/08

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

Keyboard

Preferred Pro USB Keyboard	73P5220	ann 06/21/05
Preferred Pro Full Size PS/2 Keyboard	31P7415	ann 06/04/02
Enhanced Performance USB Keyboard	73P2620	ann 03/23/04
Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067	ann 12/07/04
Lenovo® USB Fingerprint Keyboard	73P4730	ann 02/22/05

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

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
Lenovo Wireless Laser Mouse (blk, via USB)	45K1696	ann 11/25/08
Lenovo Wireless Laser Mouse (red, via USB)	51J0198	ann 11/25/08

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

Multimedia

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

Security

Kensington® Cable Lock from Lenovo	73P2582	ann 12/29/03
Kensington Twin Head Cable Lock	45K1620	ann 09/30/08
USB Gemplus GemPC Smart Card Reader	41N3040	ann 02/21/06

Monitors

ThinkVision® L174 17" Monitor	9227AE1	ann 04/15/08
ThinkVision L1700p 17" Monitor	9417HE2	ann 09/17/08
ThinkVision L1900p 19" Monitor	4431HE1	ann 11/11/08
ThinkVision L1940p Wide 19" Monitor	4424HB6	ann 09/17/08
ThinkVision L200p Wide 20.1" Monitor	4438HB6	ann 04/15/08
ThinkVision L2240p Wide 22" Monitor	4422HB6	ann 09/17/08
ThinkVision L2440p Wide 24" Monitor	4420HB2	ann 09/17/08
ThinkVision L2440x Wide 24" Monitor	4421HB2	ann 09/17/08

More information at www.lenovo.com/thinkvision

Monitor Accessories⁴⁶

ThinkVision USB Soundbar	40Y7616	ann 08/23/05
ThinkVision Soundbar	45K1263	ann 09/16/08
Kensington Cable Lock from Lenovo	73P2582	ann 12/29/03
Kensington Twin Head Cable Lock	45K1620	ann 09/30/08
Radial Arm	19K4464	ann 05/05/00

⁴⁶ Compatible on selected Lenovo and ThinkVision monitors.

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

Medialess License Key (MLK)

Microsoft® Office 2007 Basic, English	43R1528	ann 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 www.lenovo.com/accessories

Accessories Guide pdf at www.lenovo.com/accessoriesguide

Partial list of Lenovo® ThinkPlus Services⁷ for ThinkCentre desktops

For more information see:

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

<p>ThinkPlus service upgrade options for ThinkCentre M series</p> <p>ThinkCentre desktop with 1-year Onsite warranty <i>LOR = Lenovo Onsite Repair</i></p> <table border="0"> <tr><td>1-year LOR 9x5 4-hour response</td><td>41C9189</td></tr> <tr><td>2-year LOR 9x5 Next Business Day</td><td>41C9187</td></tr> <tr><td>2-year LOR 9x5 4-hour response</td><td>41C9190</td></tr> <tr><td>3-year LOR 9x5 Next Business Day</td><td>41C9188</td></tr> <tr><td>3-year LOR 9x5 4-hour response</td><td>41C9191</td></tr> </table> <p>ThinkCentre desktop with 3-year Onsite warranty <i>LOR = Lenovo Onsite Repair</i></p> <table border="0"> <tr><td>3-year LOR 9x5 4-hour response</td><td>41C9192</td></tr> <tr><td>3-year LOR 24x7 4-hour response</td><td>41C9193</td></tr> <tr><td>4-year LOR 9x5 Next Business Day</td><td>41C9194</td></tr> <tr><td>4-year LOR 9x5 4-hour response</td><td>41C9195</td></tr> <tr><td>4-year LOR 24x7 4-hour response</td><td>41C9196</td></tr> </table>	1-year LOR 9x5 4-hour response	41C9189	2-year LOR 9x5 Next Business Day	41C9187	2-year LOR 9x5 4-hour response	41C9190	3-year LOR 9x5 Next Business Day	41C9188	3-year LOR 9x5 4-hour response	41C9191	3-year LOR 9x5 4-hour response	41C9192	3-year LOR 24x7 4-hour response	41C9193	4-year LOR 9x5 Next Business Day	41C9194	4-year LOR 9x5 4-hour response	41C9195	4-year LOR 24x7 4-hour response	41C9196	<p>ThinkPlus Priority Support for enterprise customers</p> <ul style="list-style-type: none"> • 9x5 next-business-day response Lenovo Onsite Repair • 24x7 support with priority routing and advanced level technicians <p>ThinkCentre desktop with 1-year Onsite warranty</p> <table border="0"> <tr><td>3-year Priority Support</td><td>45J9087</td></tr> </table> <p>ThinkCentre desktop with 3-year Onsite warranty</p> <table border="0"> <tr><td>3-year Priority Support</td><td>45J9088</td></tr> <tr><td>4-year Priority Support</td><td>45J9089</td></tr> <tr><td>5-year Priority Support</td><td>45J9090</td></tr> <tr><td>3-year Priority Support 4-hour response</td><td>45J9091</td></tr> <tr><td>4-year Priority Support 4-hour response</td><td>45J9092</td></tr> <tr><td>5-year Priority Support 4-hour response</td><td>45J9093</td></tr> </table>	3-year Priority Support	45J9087	3-year Priority Support	45J9088	4-year Priority Support	45J9089	5-year Priority Support	45J9090	3-year Priority Support 4-hour response	45J9091	4-year Priority Support 4-hour response	45J9092	5-year Priority Support 4-hour response	45J9093
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- Availability:** All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.
- Warranty:** For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.
- ¹ **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.
 - ² **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.
 - ³ **Limited onsite service systems** are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. In the United States call 1-800-426-7378. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.
 - ⁴ **CD and DVD list** maximum rates; rates are variable and are often less than the maximum.
 - ⁵ **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. License agreements may apply.
 - ⁶ **Multi-Burner Plus** (part number 73P3305 or 73P3370) is a DVD±RW device that reads and writes to DVD-RAM, DVD-R, DVD-RW, DVD+R, and DVD+RW. It also reads and writes to CD-R and CD-RW media. 73P3370 also writes to DVD+R double layer media.
 - ⁷ **ThinkPlus Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. P&L means parts and labor. P/U means pick-up. See ThinkPlus terms and conditions for complete details and restrictions.
 - ⁸ **Memory:** For PCs without a separate graphics card, memory supports both system and video. Accessible system memory may be up to 384MB less than the amount stated, depending on video mode.
 - ⁹ **International Warranty Service** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.
 - ¹⁰ **Modem speeds:** Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.
 - ¹¹ **For combination drives**, maximum speeds only are given in the following order: CD read, CD write, CD re-write, DVD read.
 - ¹⁴ **Response times may vary.** May exclude some holidays. Telephone support may be subject to additional charges.
 - ¹⁵ **Update Connector** is available at no charge to registered customers during the limited warranty period. Line charges may apply.
 - ¹⁶ **Embedded Security Subsystem** works with optional VPN software.

- ¹⁸ **Embedded Security Subsystem** may require download of client security software from the Web.
- ¹⁹ **Asset ID** allows system-specific information to be stored in a chip inside the system; it does not have any radio frequency support.
- ²⁰ **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

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February 2009
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