




*Personal Systems Reference
Lenovo 3000 Desktops
2006 to 2008 - withdrawn*

June 2008 - Version 341



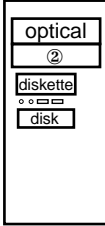
lenovo.com

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

Positioning Processor	<i>The smart choice for small business</i> Intel® Pentium® 4 Processor 516, 521, 524, 541, 630, or 640 with single-core, EM64T, Hyper-Threading technology (521/524/6xx only), EIST (6xx only), Execute Disable Bit (521/524/6xx only), and 533 or 800MHz bus	Tower <ul style="list-style-type: none"> Business black color with silver accents 7.1" W X 17.5" D X 15.4" H 180mm W X 445mm D X 392mm H 20.01 to 20.3 lb (9.1 to 9.2 kg) Handle on top front Thumbscrew for removal of side covers Toolless entry 
L2 cache Implementation	1MB or 2MB std and max / ECC / full speed Processor and L2 cache in FC-LGA4 in LGA775 socket	
Memory - std/max ⁸ Memory	256, 512MB or 1GB std / 2GB max Two 184-pin DIMM sockets / <i>E2U/5CU</i> : two sockets used (512MB each socket); <i>others</i> : one socket used / PC3200 400MHz DDR1 / non-parity / CAS latency 3 (CL3) / unbuffered / dual-channel capable	<ul style="list-style-type: none"> Bay ① 5.25", 1.6" high, access, std optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, std or opt diskette or media reader Bay ④ 3.5", 1" high, no access, std disk
Graphics	SiS® Mirage Graphic Engine (SiS Mirage) / integrated graphics in north bridge / uses main memory (32 to 64MB) / 200MHz / one 15-pin analog D-sub connector / AGP 8X slot available	<ul style="list-style-type: none"> Slot 1: half-length, full-height, 32-bit AGP 8X Slot 2: half-length, full-height, 32-bit PCI 2.3 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3
SATA disk	80 or 160GB / SATA300 7200 rpm	
SATA controller	Serial ATA 1.0 / 150 MB/sec SATA150 / integrated in south bridge	
SATA cables	One SATA cable (one 1-drop to disk) / 2 SATA connectors on planar	
EIDE CD	<i>Some</i> : 48X-20X ⁴ CD-ROM	
EIDE Combo	<i>Some</i> : 48X/32X/48X/16X Max ¹¹ CD-RW/DVD-ROM Combo	
EIDE DVD±RW	<i>Some</i> : DVD and CD burner / double-layer / Multi-Burner Plus (73P3370)	
EIDE DVD±RW	<i>Model F1U</i> : DVD and CD burner / Super Multi-Burner DL Drive (part 41N5581)	
EIDE controller	Enhanced IDE / ATA-100 / integrated in I/O Controller Hub (ICH6)	
EIDE cables	One 2-drop EIDE cable to optical / two EIDE connectors on planar	
Diskette drive	<i>Some</i> : 3.5" 1.44MB diskette drive	
Media reader	<i>Some</i> : 9-in-1 media reader / occupies diskette drive bay / internal USB 2.0	
Chipset	SiS 661FX Chipset / SiS661FX graphics memory controller in north bridge with AGP 8X support / SiS964 south bridge for SATA 150, ATA-100/133 EIDE, PCI 2.3 bus, USB, Low Pin Count Interface / ITE Tech® 8705GX Super I/O for serial, parallel, diskette, keyboard, and mouse	
Front ports	Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)	
Rear audio ports	Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]	
Audio	Integrated digital audio / AC '97 interface / Realtek ALC655 codec	
External speakers	<i>Some</i> : desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo	
Beeper	One internal beeper	
Ethernet	10/100 ethernet on systemboard / Realtek 8100C controller (MAC/PHY) / PCI 2.3 / Wake on LAN® / PXE 2.0 and RPL remote boot	
Modem	<i>Some</i> : 56K ¹⁰ V.90 data/fax soft modem / Conexant® chipset / PCI adapter	
Keyboard	104-key Preferred Pro Full-size keyboard (6-pin PS/2 connector), black	
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black	
Power supply	250 watts / universal / manual switch	
Preload with Windows XP Home¹² Microsoft® Windows® XP Home Edition	<ul style="list-style-type: none"> All <i>except 8253-F1U</i>: Corel® Small Business Center™ with WordPerfect® Office 12 Corel Photo Album Starter™ 6 AOL and EarthLink (XP Home models only) <i>Some</i>: Microsoft Office Small Business Edition 2003 with Office 2003 Service Pack 2 (SP2) Roxio DigitalMedia LE (CD-RW, combo, DVD±RW) InterVideo WinDVD (combo, DVD, DVD±RW) InterVideo WinDVD Creator (DVD±RW) 	<p>SECURITY</p> <ul style="list-style-type: none"> One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> Padlock loop (in rear for opt padlock) No security slot (in rear for optional Kensington Microsaver cable) No keylock Power-on password Administrator password Boot sequence control Boot without keyboard, mouse, diskette Unattended start mode Hard disk I/O control Serial port I/O control Parallel port I/O control <p>LIMITED WARRANTY¹</p> <ul style="list-style-type: none"> 1-year parts and labor International Warranty Service⁹ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) Lenovo Care services at http://lenovo.com/warranty 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ 800-IBM-SERV (426-7378)
Preload with Windows XP Professional¹² Microsoft Windows XP Professional	<ul style="list-style-type: none"> Lenovo CareSM tools <ul style="list-style-type: none"> Rescue and Recovery™ System Update Password Manager Norton Internet Security™ 2005 AntiSpyware Edition PC-Doctor™ (diagnostics) Google Desktop Picasa from Google Diskeeper® Lite 	
Preloaded⁵ (all OSes; only some listed)	<ul style="list-style-type: none"> CD <ul style="list-style-type: none"> <i>Some</i>: Microsoft Office SBE (SP2) CD License - CD not included (all OSes) <ul style="list-style-type: none"> Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client (Notes client not supported on XP Home) 	

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

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

Positioning Processor	<i>The smart choice for small business</i> Intel® Pentium D Processor 820 with dual-core , EM64T, Execute Disable Bit, and 800MHz system bus with two x 1MB (dual-core) L2 cache		Tower		
Implementation	Processor and L2 cache in FC-LGA4 or LGA6 in LGA775 socket		<ul style="list-style-type: none"> Business black color with silver accents 7.1" W X 17.5" D X 15.4" H 180mm W X 445mm D X 392mm H 20.1 to 20.3 lb (9.1 to 9.2 kg) Handle on top front Thumbscrew for removal of side covers Toolless entry 		
Memory - std/max ⁸	512MB or 1GB std / 2GB max		Bay ① 5.25", 1.6" high, access, std optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, std or opt diskette or media reader Bay ④ 3.5", 1" high, no access, std disk		
Memory	Two 240-pin DIMM sockets / <i>FCU:</i> two sockets used (512MB in each socket); <i>others:</i> one socket used / one socket available PC2-4200 533MHz DDR2 / non-parity / CAS latency 4 (CL4) / unbuffered / dual-channel capable		Slot 1: half-length, full-height, 32-bit PCI 2.3 - used * Slot 2: half-length, full-height, 32-bit PCI 2.3 - used * Slot 3: half-length, full-height, 32-bit PCI 2.3 * Modem and FireWire adapter in some models		
Graphics	Intel Graphics Media Accelerator 950 (GMA 950) / integrated graphics in 945GZ GMCH / uses main memory / 400MHz / one 15-pin analog D-sub connector / 945GZ does not support dual independent display		SECURITY		
SATA disk	80 or 160GB / SATA300 7200 rpm		<ul style="list-style-type: none"> One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> Padlock loop (in rear for opt padlock) No security slot (in rear for optional Kensington Microsaver cable) No keylock Power-on password Administrator password Boot sequence control Boot without keyboard, mouse, diskette Unattended start mode Hard disk I/O control Serial port I/O control Parallel port I/O control 		
SATA controller	Serial ATA / 300MB/sec SATA300 / integrated in south bridge		<ul style="list-style-type: none"> RoHS-compliant DMI 2.0-compliant 		
SATA cables	One SATA cable (one 1-drop to disk) / two SATA connectors on planar		LIMITED WARRANTY¹		
EIDE CD	<i>Some:</i> 48X-20X ⁴ CD-ROM		<ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ International Warranty Service⁹ ↪ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) • 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) ↪ Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> • 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) • 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) ↪ Lenovo Care services at http://lenovo.com/warranty ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ 800-IBM-SERV (426-7378) 		
EIDE Combo	<i>Some:</i> 48X/48X/48X/16X Max ¹¹ CD-RW/DVD-ROM Combo				
EIDE DVD±RW	<i>Some:</i> DVD and CD burner / Super Multi-Burner DL Drive (part 41N5581)				
EIDE controller	Enhanced IDE / ATA-100 / integrated in I/O Controller Hub (ICH7)				
EIDE cables	One 2-drop EIDE cable to optical / one EIDE connectors on planar				
Diskette drive	<i>Some:</i> 3.5" 1.44MB diskette drive				
Media reader	<i>Some:</i> 9-in-1 media reader / occupies diskette drive bay / internal USB 2.0				
Chipset	Intel 945GZ Express Chipset / 82945GZ Graphics Memory Controller Hub (GMCH) / 82801GB I/O Controller Hub (ICH7) for SATA300, ATA-100 EIDE, PCI 2.3 bus, USB, Low Pin Count interface / ITE Tech® IT8712F/JX Super I/O for serial, parallel, diskette, keyboard, mouse, auto-thermal controls				
Front ports	Two USB (Version 2.0), microphone (mono, 3.5mm), headphone (stereo, 3.5mm)				
Rear ports	Four USB (Version 2.0), one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)				
Rear audio ports	Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]				
Audio	Integrated digital audio / AC '97 interface / Realtek ALC655 codec				
Beeper	One internal beeper				
External speakers	<i>Some:</i> desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo				
IEEE 1394	<i>Some:</i> FireWire PCI adapter / 1394A, 400Mbps, dual 6-pin ports on rear, 4-pin port on front of system, no external cables included				
Ethernet	10/100 ethernet on systemboard / Realtek 8100C controller (MAC/PHY) / PCI 2.3 / Wake on LAN® / PXE 2.0 and RPL remote boot				
Modem	<i>Some:</i> 56K ¹⁰ V.90 data/fax soft modem / PCI adapter				
Keyboard	104-key Preferred Pro Full-size keyboard (6-pin PS/2 connector), black				
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black				
Power supply	250 watts / universal / manual switch				
Preload with Windows XP Home¹²	Microsoft® Windows® XP Home Edition - Disk-to-Disk Recovery (in hidden protected area)		<ul style="list-style-type: none"> • Diskkeeper™ Lite • Corel® Small Business Center™ with WordPerfect® Office 12 • Corel Photo Album Starter™ 6 • AOL and EarthLink (XP Home models only) • Roxio DigitalMedia LE (combo, DVD±RW models) • InterVideo WinDVD (combo, DVD±RW models) • InterVideo WinDVD Creator (DVD±RW models) 		
Preload with Windows XP Professional¹²	Microsoft Windows XP Professional - Disk-to-Disk Recovery (in hidden protected area)		License - CD not included (all) - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client (Notes client not supported on XP Home)		
Preloaded⁵ (all)	<ul style="list-style-type: none"> • Lenovo CareSM tools <ul style="list-style-type: none"> - Rescue and Recovery™ - System Update - Password Manager • Norton Internet Security 2005 AntiSpyware Edition • PC-Doctor™ (diagnostics) • Adobe® Reader • Google Toolbar • Google Desktop • Picasa from Google 		Accessories Accessories on O-J sheet Other accessories at http://lenovo.com/accessories		

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

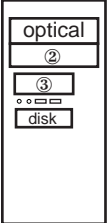
Type-mod	Slot x bay	AMD Processor	GHz	L2 cache	AMD64	Memory	Diskette drive	Media reader	SATA disk	EIDE optical	Integrated graphics	Mo-dem	Ext speakers	Pre-load	Limited warranty ¹	Avail date
8258-J4U	4x4	Sempron 3000+	1.80	128KB	AMD64	256MB	Dskte		80GB	CD	VIA S3	Yes	Spkrs	XP Home	1-yr	Feb 06
8258-J5U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

Positioning Processor	<p><i>The smart choice for small business</i> AMD® Sempron™ 3000+ or 3400+ Processor with AMD64 (32-bit and 64-bit), integrated DDR1 memory controller, single-core, HyperTransport™ to north bridge or AMD Athlon™ 64 3200+ Processor with AMD64 (32-bit and 64 bit), integrated DDR1 memory controller, single-core, and HyperTransport to north bridge</p>		<p>Tower</p> <ul style="list-style-type: none"> • Business black color with silver accents • 7.1" W X 17.5" D X 15.4" H • 180mm W X 445mm D X 392mm H • 20.01 to 20.3 lb (9.1 to 9.2 kg) • Handle on top front • Thumbscrew for removal of side covers • Toolless entry 	
L2 cache Socket	<p><i>Sempron: 128KB or 256KB; Athlon 64: 512KB</i> Socket 754 (754-pin)</p>			
Memory - std/max ² Memory	<p>256, 512MB or 1GB std / 2GB max Two 184-pin DIMM sockets / <i>HBU/B4U</i>: two sockets used (512MB per socket); <i>others</i>: one socket used / PC3200 400MHz DDR1 / non-parity / CAS latency 3 (CL3) / unbuffered / dual-channel capable</p>		<p>Bay ① 5.25", 1.6" high, access, std optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, std or opt diskette or media reader Bay ④ 3.5", 1" high, no access, std disk</p>	
Graphics	<p>Integrated graphics in VIA K8M800 chipset / VIA® S3 Graphics UniChrome™ Pro IGP / uses main memory up to 64MB / 200MHz / one 15-pin analog D-sub connector / AGP 8X slot available</p>		<p>Slot 1: half-length, full-height, 32-bit AGP 8X Slot 2: half-length, full-height, 32-bit PCI 2.3 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3</p>	
SATA disk	<p>80GB, 160GB or 250GB / SATA300 7200 rpm</p>		<p>SECURITY</p> <ul style="list-style-type: none"> • One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> - Padlock loop (in rear for opt padlock) - No security slot (in rear for optional Kensington Microsaver cable) - No keylock • Power-on password • Administrator password • Boot sequence control • Boot without keyboard, mouse, diskette • Unattended start mode • Hard disk I/O control • Serial port I/O control • Parallel port I/O control 	
SATA controller	<p>Serial ATA / 150MB/sec SATA150 / integrated in south bridge</p>			
SATA cables	<p>One SATA cable (one 1-drop to disk) / 2 SATA connectors on planar</p>			
EIDE CD	<p><i>Some</i>: 48X-20X⁴ CD-ROM</p>			
EIDE Combo	<p><i>Some</i>: 48X/32X/48X/16X Max¹¹ CD-RW/DVD-ROM Combo</p>			
EIDE DVD±RW	<p><i>Some</i>: DVD and CD burner / double-layer / Multi-Burner Plus (part 73P3370)</p>			
EIDE DVD±RW	<p><i>Model HHU/B4U</i>: DVD and CD burner / Super Multi-Burner DL Drive (41N5581)</p>			
EIDE controller	<p>Enhanced IDE / ATA-100 / integrated in I/O Controller Hub (ICH6)</p>			
EIDE cables	<p>One 2-drop EIDE cable to optical / two EIDE connectors on planar</p>			
Diskette drive	<p><i>Some</i>: 3.5" 1.44MB diskette drive</p>			
Media reader	<p><i>Some</i>: 9-in-1 media reader / occupies diskette drive bay / internal USB 2.0</p>			
Chipset	<p>VIA K8M800 chipset / K8M800 north bridge graphics and memory controller / VIA VT8237 south bridge I/O Controller for SATA150, ATA-133 EIDE, PCI 2.3 bus, USB 2.0 / ITE Tech® 8705GX Super I/O for serial, parallel, diskette, keyboard, and mouse</p>			
Front ports	<p>Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)</p>			
Rear ports	<p>Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)</p>			
Rear audio ports	<p>Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]</p>			
Audio	<p>Integrated digital audio / AC '97 interface / Realtek ALC655 codec</p>			
External speakers	<p><i>Some</i>: desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo</p>			
Beeper	<p>One internal beeper</p>			
Ethernet	<p>10/100 ethernet on systemboard / VIA VT6103L / PCI 2.3 / Wake on LAN® / PXE 2.0 and RPL remote boot</p>			
Modem	<p><i>Some</i>: 56K¹⁰ V.90 data/fax soft modem / Conexant® chipset / PCI adapter</p>			
Keyboard	<p>104-key Preferred Pro Full-size keyboard (6-pin PS/2 connector), black</p>			
Mouse	<p>Optical Wheel Mouse (USB only), 400 dpi, black</p>			
Power supply	<p>250 watts / universal / manual switch</p>			
<p>Preload with Windows XP Home¹² Microsoft® Windows® XP Home Edition - Disk-to-Disk Recovery (in hidden protected area)</p> <p>Preload with Windows XP Professional¹² Microsoft® Windows® XP Professional - Disk-to-Disk Recovery (in hidden protected area)</p> <p>Preloaded⁵ (all OSes)</p> <ul style="list-style-type: none"> • Lenovo CareSM tools <ul style="list-style-type: none"> - Rescue and Recovery™ - System Update - Password Manager • Norton Internet Security™ 2005 • AntiSpyware Edition • PC-Doctor™ (diagnostics) • Adobe® Reader • Google Toolbar • Google Desktop <p>• Picasa from Google</p> <ul style="list-style-type: none"> • Diskeeper® Lite • <i>All except 8258-J9U/HHU</i>: Corel® Small Business Center™ with WordPerfect® Office 12 • Corel Photo Album Starter™ 6 • AOL and EarthLink (XP Home models only) • <i>Some</i>: Microsoft Office Small Business Edition 2003 with Office 2003 Service Pack 2 (SP2) • Roxio Digital Media LE (CD-RW, combo, DVD±RW) • InterVideo WinDVD (combo, DVD, DVD±RW) • InterVideo WinDVD Creator (DVD±RW) <p>CD</p> <ul style="list-style-type: none"> - <i>Some</i>: Microsoft Office SBE (SP2) CD <p>License - CD not included (all OSes)</p> <ul style="list-style-type: none"> - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client (Notes client not supported on XP Home) 			<p>LIMITED WARRANTY¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ International Warranty Service⁹ ↪ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) • 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) ↪ Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> • 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) • 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) ↪ Lenovo Care services at http://lenovo.com/warranty ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ 800-IBM-SERV (426-7378) 	

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

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

• These models have a 1-year limited warranty¹

Positioning Processor	<i>Excellent performance at competitive prices</i> Intel® Pentium® D Processor 820 or 925 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST (9xx only), 800MHz system bus, and 2x1MB or 2x2MB L2 cache or Intel Pentium Dual-Core Processor E2140 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E4300 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache	Tower <ul style="list-style-type: none"> • Business black color with silver accents • 7.1" W X 17.5" D X 15.4" H • 180mm W X 445mm D X 392mm H • 20.1 to 22.5 lb (9.1 to 10.2 kg) • Handle on top front • Thumbscrew for removal of side covers • Toolless entry 
Implementation	Processor and L2 cache in FC-LGA4 or LGA6 in LGA775 socket	
Memory	512MB or 1GB std , 4GB max ⁸ , PC2-4200 533MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in two sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available	Bay ① 5.25", 1.6" high, access, std optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, opt diskette or std or opt media reader Bay ④ 3.5", 1" high, no access, std disk
Graphics (one of following)	<ul style="list-style-type: none"> • Intel Graphics Media Accelerator 3000 (GMA 3000), integrated graphics in 946GZ, uses main memory (up to 256MB), 400MHz, one 15-pin analog D-sub connector, supports optional ADD2 adapter but not dual independent display • ATI™ Radeon™ X300 SE, PCI Express x16 adapter, 128MB 400MHz DDR1, 400MHz RAMDAC, two 15-pin analog D-sub connectors, dual head support 	Slot 1: half-length, full-height, PCI Express x16 (75w max) Slot 2: half-length, full-height, PCI Express x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 (5v) Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)* * modem in slot in some models
SATA disk	80GB, 160GB, or 250GB , SATA300 7200 rpm	<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) - No security slot (in rear for optional Kensington Microsaver cable) - No keylock • Power-on password • Administrator password • Boot sequence control • Boot without keyboard, mouse, diskette • Unattended start mode • Hard disk I/O control • Serial port I/O control • Parallel port I/O control <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 are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) • 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) ↪ Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> • 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) • 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) ↪ Lenovo Care services at http://lenovo.com/warranty ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ 800-IBM-SERV (426-7378)
SATA controller	Serial ATA, 300MB/sec SATA300, integrated in ICH7	
SATA cables	One SATA cable (one 1-drop to disk), 2 SATA connectors on planar	
EIDE CD	<i>Some:</i> 48X-20X ⁴ CD-ROM	
EIDE DVD	<i>Some:</i> 16X-48X Max ⁴ DVD-ROM, single-layer	
EIDE Combo	<i>Some:</i> 48X/32X/48X/16X Max ¹¹ CD-RW/DVD-ROM Combo	
EIDE DVD±RW	<i>Some:</i> DVD and CD burner, Super Multi-Burner DL (41N5581)	
EIDE controller	Enhanced IDE, ATA-100, integrated in I/O Controller Hub (ICH7) One 2-drop EIDE	
EIDE cables	cable to optical, 2 EIDE connectors on planar	
Diskette drive	None	
Media reader	<i>Some:</i> 9-in-1 media reader, occupies diskette drive bay, internal USB 2.0	
Chipset	Intel 946GZ Express Chipset , 82946GZ Graphics Memory Controller Hub (GMCH), 82801GB I/O Controller Hub (ICH7) for SATA300, ATA-100 EIDE, PCI Express x1, PCI 2.3 bus, USB, Low Pin Count interface / ITE Tech® IT8718 Super I/O	
Front ports	Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)	
Rear audio ports	Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]	
Audio	High Definition (HD) Audio, AD1986A codec, SoundMAX [®] software	
External speakers	<i>Some:</i> desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo	
Beeper	One internal beeper	
Ethernet	Gigabit ethernet on systemboard, Broadcom® BCM5786 (PHY/MAC), PCIe x1	
Modem	<i>Some:</i> 56K ¹⁰ V.90 data/fax soft modem, PCI adapter	
Keyboard (one of following)	[Pref] 104-key Preferred Pro USB Keyboard, black	
Mouse	[EP] Enhanced Performance USB Keyboard, 2-port USB 2.0 hub, black	
Power supply	Optical Wheel Mouse (USB only), 400 dpi, black 250 watts, universal, manual switch	
Preload with Windows XP Home¹² Microsoft® Windows® XP Home Edition	<ul style="list-style-type: none"> • Google Desktop • Diskeeper® Lite • Core!® Small Business Center™ with WordPerfect® Office 12 • Core! Photo Album Starter™ 6 • AOL and EarthLink (XP Home models only) • Roxio Digital Media LE (combo, DVD±RW) • InterVideo WinDVD (DVD, combo, DVD±RW) • InterVideo WinDVD Creator (DVD±RW) 	
Preload with Windows XP Professional¹² Microsoft Windows XP Professional	<ul style="list-style-type: none"> • Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client (Notes client not supported on XP Home) 	
Preloaded⁵ (all OSes; some listed)		
• Lenovo Care SM tools		
– Rescue and Recovery™		
– System Update		
– Password Manager		
• Norton Internet Security™ (90 days of virus definitions)		
• PC-Doctor™ (diagnostics)		

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

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

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

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

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

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

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

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

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

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

Preloaded operating system¹²
- Some: Microsoft® Windows® Vista™ Home Basic Edition (32-bit)
- Some: Microsoft Windows Vista Home Premium Edition (32-bit)
- Some: Microsoft Windows Vista Business Edition (32-bit)
Preloaded applications⁵ (all OSes; only some listed)

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

License - CD not included (all OSes)

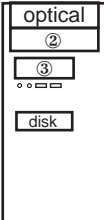
- Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client

DVD (all OSes)

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

Tower

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



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

Slot 1: half-length, full-height, PCI Express x16 (75w max)
 Slot 2: half-length, full-height, PCI Express x1
 Slot 3: half-length, full-height, 32-bit PCI 2.3 (5v)
 Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)*
 * modem in slot in some models

SECURITY

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

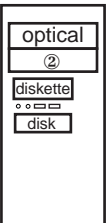
LIMITED WARRANTY¹

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

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

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

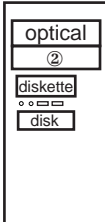
• These models have a 1-year limited warranty¹

Positioning Processor	Excellent performance at competitive prices AMD® Athlon™ 64 3500+ with single-core, integrated L1/L2 cache, AMD64, integrated DDR2 memory controller, and virtualization technology or AMD Athlon 64 X2 3800+, 4000+, 4200+, or 4400+ with dual-core, integrated L1/L2 cache, AMD64, integrated DDR2 controller, and virtualization technology	Tower <ul style="list-style-type: none"> • Business black color with silver accents • 7.1" W X 17.5" D X 15.4" H • 180mm W X 445mm D X 392mm H • 20.1 to 22.5 lb (9.1 to 10.2 kg) • Handle on top front • Thumbscrew for removal of side covers • Toolless entry 
Implementation	Processor in 940-pin PGA package in Socket AM2	
Memory - std/max ⁸	512MB or 1GB std / 4GB max PC2-4200 533MHz DDR2 / non-parity / CAS latency 4 / unbuffered / dual-channel capable / two 240-pin DIMM sockets / <i>512MB models:</i> one socket used; <i>1GB model 44U:</i> one socket used; <i>1GB models 26U/27U:</i> two sockets used (512MB per socket)	Bay ① 5.25", 1.6" high, access, std optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, std or opt diskette or media reader
Graphics	NVIDIA® GF 6100 / integrated graphics controller in C51g chipset / uses main memory / 425MHz / one 15-pin analog D-sub connector / optional PCI Express x16 adapter can support two monitors	Bay ④ 3.5", 1" high, no access, std disk Slot 1: half-length, full-height, PCI Express x16 (75w max) Slot 2: half-length, full-height, PCI Express x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 (5v) Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)* * modem in slot in some models
SATA disk	80GB, 160GB, or 250GB / SATA300 7200 rpm	SECURITY <ul style="list-style-type: none"> • One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> - Padlock loop (in rear for opt padlock) - No security slot (in rear for optional Kensington Microsaver cable) - No keylock • Power-on password • Administrator password • Boot sequence control • Boot without keyboard, mouse, diskette • Unattended start mode • Hard disk I/O control • Serial port I/O control • Parallel port I/O control
SATA controller	Serial ATA / 300MB/sec SATA300 / integrated in south bridge	
SATA cables	One SATA cable (one 1-drop to disk) / 2 SATA connectors on planar	
EIDE DVD	<i>Some:</i> 16X-48X Max ⁴ DVD-ROM / single-layer / EIDE	
EIDE Combo	<i>Some:</i> 48X/32X/48X/16X Max ¹¹ CD-RW/DVD-ROM Combo	
EIDE DVD±RW	<i>Some:</i> DVD burner / Super Multi-Burner DL Drive (41N5581)	
EIDE controller	Enhanced IDE / ATA-133 / integrated in NVIDIA MCP51 south bridge	
EIDE cables	One 2-drop EIDE cable to optical / 2 EIDE connectors on planar	
Diskette drive	None	
Media reader	<i>Some:</i> 9-in-1 media reader / occupies diskette drive bay / internal USB 2.0	
Chipset	NVIDIA GeForce® 6100 C51g chipset / C51g includes graphics controller, support for PCI Express x1 slot, PCI Express x16 slot, PCI 2.3 slots / NVIDIA MCP51 south bridge for SATA300, ATA-133 EIDE, USB, Low Pin Count interface / Winbond® W83627EHG Super I/O	
Front ports	Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)	
Rear audio ports	Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]	
Audio	High Definition (HD) Audio / AD1986A codec / SoundMAX® software	
External speakers	<i>Some:</i> desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo	
Beeper	One internal beeper	
Ethernet	Gigabit ethernet on planar / Broadcom® BCM5788 / PCI 2.3 / Wake on LAN®	
Modem	<i>Some:</i> 56K ¹⁰ V.90 data/fax soft modem / PCI adapter	
Keyboard (one of following)	[Pref] 104-key Preferred Pro USB Keyboard, black [EP] Enhanced Performance USB Keyboard, 2-port USB 2.0 hub, black	
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black	
Power supply	250 watts / universal / manual switch	
Preload with Windows XP Home ¹²	Microsoft® Windows® XP Home Edition - Disk-to-Disk Recovery (in hidden protected area)	LIMITED WARRANTY¹ <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ International Warranty Service⁹ ↪ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) • 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) ↪ Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> • 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) • 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) ↪ Lenovo Care services at http://lenovo.com/warranty ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ 800-IBM-SERV (426-7378)
Preload with Windows XP Professional ¹²	Microsoft Windows XP Professional - Disk-to-Disk Recovery (in hidden protected area)	
Preloaded ⁵ (all OSes)	<ul style="list-style-type: none"> • Lenovo CareSM tools <ul style="list-style-type: none"> - Rescue and RecoveryTM - System Update - Password Manager • Norton Internet SecurityTM (90 days of virus definitions) • PC-DoctorTM (diagnostics) • Adobe® Reader • Google Toolbar • Google Desktop 	
	<ul style="list-style-type: none"> • Picasa from Google • Diskeeper® Lite • Corel® Small Business Center™ with WordPerfect® Office 12 • Corel Photo Album Starter™ 6 • AOL and EarthLink (XP Home models only) • Roxio Digital Media LE (combo, DVD±RW) • InterVideo WinDVD (DVD, combo, DVD±RW) • InterVideo WinDVD Creator (DVD±RW) 	
	License - CD not included (all OSes) - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client (Notes client not supported on XP Home)	
	Accessories Accessories on O-J sheet Acc Guide in pdf lenovo.com/accessoriesguide Others at http://lenovo.com/accessories	

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

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

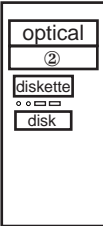
• These models have a 1-year limited warranty¹

Positioning Processor	Excellent performance at competitive prices AMD® Sempron™ 3400+ with single-core, integrated L1/L2 cache, AMD64, and integrated DDR2 memory controller or AMD Athlon™ 64 3800+ with single-core, integrated L1/L2 cache, AMD64, integrated DDR2 memory controller, and virtualization technology or AMD Athlon 64 X2 3800+ or 4200+ with dual-core, integrated L1/L2 cache, AMD64, integrated DDR2 controller, and virtualization technology	Tower • Business black color with silver accents • 7.1" W X 17.5" D X 15.4" H • 180mm W X 445mm D X 392mm H • 20.1 to 22.5 lb (9.1 to 10.2 kg) • Handle on top front • Thumbscrew for removal of side covers • Toolless entry		
Implementation	Processor in 940-pin PGA package in Socket AM2			
Memory - std/max ⁸	512MB or 1GB std / 4GB max	Bay ① 5.25", 1.6" high, access, std optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, std or opt diskette or media reader Bay ④ 3.5", 1" high, no access, std disk		
Memory	PC2-4200 533MHz DDR2 / non-parity / CAS latency 4 / unbuffered / dual-channel capable / two 240-pin DIMM sockets / <i>512MB models:</i> one socket used; <i>models 48U/49U/4AU:</i> one socket used (1GB per socket); <i>models 9GU/2JU/2KU/2MU:</i> two sockets used (512MB per socket)	Slot 1: half-length, full-height, PCI Express x16 (75w max) Slot 2: half-length, full-height, PCI Express x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 (5v) Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)*		
Graphics	NVIDIA® GF 6100 / integrated graphics controller in C51g chipset / uses main memory / 425MHz / one 15-pin analog D-sub connector / optional PCI Express x16 adapter can support two monitors			
SATA disk	80GB, 160GB, or 250GB / SATA300 7200 rpm			
SATA controller	Serial ATA / 300MB/sec SATA300 / integrated in south bridge			
SATA cables	One SATA cable (one 1-drop to disk) / 2 SATA connectors on planar			
EIDE DVD	<i>Some:</i> 16X-48X Max ⁴ DVD-ROM / single-layer / EIDE			
EIDE Combo	<i>Some:</i> 48X/32X/48X/16X Max ¹¹ CD-RW/DVD-ROM Combo			
EIDE DVD±RW	<i>Some:</i> DVD burner / Super Multi-Burner DL Drive (41N5581)			
EIDE controller	Enhanced IDE / ATA-133 / integrated in NVIDIA MCP51 south bridge			
EIDE cables	One 2-drop EIDE cable to optical / 2 EIDE connectors on planar			
Diskette drive	None			
Media reader	<i>Some:</i> 9-in-1 media reader / occupies diskette drive bay / internal USB 2.0			
Chipset	NVIDIA GeForce® 6100 C51g chipset / C51g includes graphics controller, support for PCI Express x1 slot, PCI Express x16 slot, PCI 2.3 slots / NVIDIA MCP51 south bridge for SATA300, ATA-133 EIDE, USB, Low Pin Count interface / Winbond® W83627EHG Super I/O			
Front ports	Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)			
Rear audio ports	Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]			
Audio	High Definition (HD) Audio / AD1986A codec / SoundMAX® software			
External speakers	<i>Some:</i> desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo			
Beeper	One internal beeper			
Ethernet	Gigabit ethernet on planar / Broadcom® BCM5788 / PCI 2.3 / Wake on LAN®			
Modem	<i>Some:</i> 56K ¹⁰ V.90 data/fax soft modem / PCI adapter			
Keyboard	104-key Preferred Pro USB Keyboard, black			
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black			
Power supply	250 watts / universal / manual switch			
Preloaded operating system	<ul style="list-style-type: none"> - <i>Some:</i> Microsoft® Windows® Vista™ Home Basic Edition²⁰ (32-bit) - <i>Some:</i> Microsoft Windows Vista Business Edition²⁰ (32-bit) 			
Preloaded applications (all OSEs)	<ul style="list-style-type: none"> • Lenovo CareSM Tools <ul style="list-style-type: none"> - Rescue and Recovery™ - System Update - Password Manager • Norton Internet Security™ (90 days of virus definitions) • PC-Doctor™ (diagnostics) • Adobe® Reader • Picasa from Google • Diskeeper® Home 	<ul style="list-style-type: none"> • Corel® Small Business Center™ with WordPerfect® Office 12 • QuickBooks Financial Center • AOL and EarthLink (Vista Home Basic models only) 		
	License - CD not included (all OSEs) - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client Accessories Accessories on O-J sheet Acc Guide in pdf lenovo.com/accessoriesguide Others at http://lenovo.com/accessories			
		<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) - No security slot (in rear for optional Kensington Microsaver cable) - No keylock • Power-on password • Administrator password • Boot sequence control • Boot without keyboard, mouse, diskette • Unattended start mode • Hard disk I/O control • Serial port I/O control • Parallel port I/O control 		
		<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 are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) • 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) ↪ Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> • 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) • 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) ↪ Lenovo Care services at http://lenovo.com/warranty ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ 800-IBM-SERV (426-7378) 		

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

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

• **These models have a 1-year limited warranty¹**

Positioning Processor	<i>Excellent performance at competitive prices</i> AMD® Athlon™ 64 X2 4000+, 4400+, or 4800+ with dual-core, shared L2 cache, AMD64, integrated DDR2 controller, and virtualization technology		Tower <ul style="list-style-type: none"> • Business black color with silver accents • 7.1" W X 17.5" D X 15.4" H • 180mm W X 445mm D X 392mm H • 20.1 to 22.5 lb (9.1 to 10.2 kg) • Handle on top front • Thumbscrew for removal of side covers • Toolless entry 	
Implementation	Processor in 940-pin PGA package in Socket AM2			
Memory - std/max ⁸	1GB std / 4GB max		Bay ① 5.25", 1.6" high, access, std optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, std or opt diskette or media reader Bay ④ 3.5", 1" high, no access, std disk Slot 1: half-length, full-height, PCI Express x16 (75w max) Slot 2: half-length, full-height, PCI Express x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 (5v) Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)* * modem in slot in some models	
Memory	PC2-4200 533MHz DDR2 / non-parity / CAS latency 4 / unbuffered / dual-channel capable / two 240-pin DIMM sockets / some: one socket used (1GB per socket); models 4MU/65U: two sockets used (512MB per socket)			
Graphics	NVIDIA® GF 6100 / integrated graphics controller in C51g chipset / uses main memory / 425MHz / one 15-pin analog D-sub connector / optional PCI Express x16 adapter can support two monitors			
SATA disk	80GB, 160GB, or 250GB / SATA300 7200 rpm Serial ATA / 300MB/sec SATA300 / integrated in south bridge SATA controller One SATA cable (one 1-drop to disk) / 2 SATA connectors on planar SATA cables Some: 48X/32X/48X/16X Max ¹¹ CD-RW/DVD-ROM Combo EIDE Combo Some: DVD burner / Super Multi-Burner DL Drive (41N5581) EIDE DVD±RW Enhanced IDE / ATA-133 / integrated in NVIDIA MCP51 south bridge EIDE controller One 2-drop EIDE cable to optical / 2 EIDE connectors on planar EIDE cables None Diskette drive None Media reader Some: 9-in-1 media reader / occupies diskette drive bay / internal USB 2.0			
Chipset	NVIDIA GeForce® 6100 C51g chipset / C51g includes graphics controller, support for PCI Express x1 slot, PCI Express x16 slot, PCI 2.3 slots / NVIDIA MCP51 south bridge for SATA300, ATA-133 EIDE, USB, Low Pin Count interface / Winbond® W83627EHG Super I/O		SECURITY <ul style="list-style-type: none"> • One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> - Padlock loop (in rear for opt padlock) - No security slot (in rear for optional Kensington Microsaver cable) - No keylock • Power-on password • Administrator password • Boot sequence control • Boot without keyboard, mouse, diskette • Unattended start mode • Hard disk I/O control • Serial port I/O control • Parallel port I/O control 	
Front ports	Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)			
Rear audio ports	Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]			
Audio	High Definition (HD) Audio / AD1986A codec / SoundMAX® software			
External speakers	Some: desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo			
Beeper	One internal beeper			
Ethernet	Gigabit ethernet on planar / Broadcom® BCM5788 / PCI 2.3 / Wake on LAN®			
Modem	Some: 56K ¹⁰ V.90 data/fax soft modem / PCI adapter			
Keyboard	104-key Preferred Pro USB Keyboard, black			
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black			
Power supply	250 watts / universal / manual switch		LIMITED WARRANTY¹ <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ International Warranty Service⁹ ↪ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) • 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) ↪ Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> • 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) • 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) ↪ Lenovo Care services at http://lenovo.com/warranty ↪ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ 800-IBM-SERV (426-7378) 	
Preloaded operating system ²⁰	<ul style="list-style-type: none"> - Some: Microsoft® Windows® Vista™ Home Premium Edition (32-bit) - Some: Microsoft Windows Vista Business Edition (32-bit) 		<ul style="list-style-type: none"> • Corel® Small Business Center™ with WordPerfect® Office 12 • QuickBooks Financial Center • AOL and EarthLink (Home Premium models only) 	
Preloaded applications ⁵ (all OSes)	<ul style="list-style-type: none"> • Lenovo CareSM Tools <ul style="list-style-type: none"> - Rescue and Recovery™ - System Update - Password Manager • Lenovo Multimedia Center • Norton Internet Security™ (90 days of virus definitions) • PC-Doctor™ (diagnostics) • Network Magic™ • Adobe® Reader • Picasa from Google • Diskeeper® Home 		License - CD not included (all OSes) - Lotus® Notes® Stand-alone Client DVD (all) - Windows Anytime Upgrade DVD included for upgrade to different Vista versions for a fee Accessories Accessories on O-J sheet Acc Guide in pdf lenovo.com/accessoriesguide Others at http://lenovo.com/accessories	

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

Partial list of accessories supported on

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

Memory

SiS or VIA chipset types 8253, 8258 only:

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

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

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

Optical

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

Storage and removable storage

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

Graphics

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

None

Keyboard

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

Mouse

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

Multimedia

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

Power and Cables

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

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

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

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

Monitor Accessories⁴⁶

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

⁴⁶ Compatible on selected Lenovo and ThinkVision monitors.

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

Accessories Guide at pdf lenovo.com/accessoriesguide

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

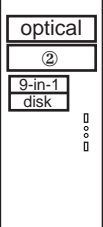
Lenovo CareSM maintenance services

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

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

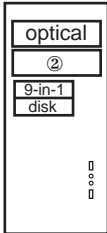
Lenovo Care maintenance services at <http://lenovo.com/warranty>

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

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

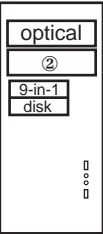
See footnotes for important warranty information
 US models announced July 3, September 25, October 9, or November 6, 2007
 US models withdrawn effective March 2008

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

Positioning Processor	<p><i>Excellent performance at competitive prices</i></p> <p>Intel® Celeron® Processor 420 with single-core, Intel 64 Tech, Execute Disable Bit, 800MHz bus, and 512KB L2 cache or Intel Pentium® Dual-Core Processor E2140 or E2160 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E4300 or E4400 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache</p>		<p>Tower</p> <ul style="list-style-type: none"> • Business black and silver bezel • 6.9"W X 16.7" D X 16.14"H • 175mm W X 424mm D X 410mm H • 22.0 lb (10.0 kg) • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 
Implementation	Processor and L2 cache in FC-LGA6 in LGA775 socket		
Memory	<p>512MB or 1GB std / 2GB max⁸ / PC2-4200 533MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available</p>		<p>Bay ① 5.25", 1.6" high, access, standard optical</p> <p>Bay ② 5.25", 1.6" high, access, open</p> <p>Bay ③ 3.5", 1" high, access, std or opt 9-in-1/dstte</p> <p>Bay ④ 3.5", 1" high, no access, standard disk</p>
Graphics (one of following)	<ul style="list-style-type: none"> • Intel Graphics Media Accelerator 950 (GMA 950), integrated graphics in 945GC, uses main memory (up to 256MB), one 15-pin analog D-sub connector, supports optional ADD2 adapter but not dual independent display • NVIDIA® GeForce 7300LE, PCI Express x16 adapter, 128MB DDR2 memory, one DMS-59 connector for dongle with 15-pin analog D-sub and DVI-I connector, S-Video out for TV-out, dual head support 		<p>Slot 1: half-length, full-height, PCI Express x16 (75w max)</p> <p>Slot 2: half-length, full-height, PCI Express x1</p> <p>Slot 3: half-length, full-height, 32-bit PCI 2.3 (5v)</p> <p>Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)*</p> <p>* modem in slot in some models</p>
SATA disk	<p>80GB, 160GB, or 320GB, SATA300, 7200 rpm</p> <p>SATA controller Serial ATA, 300MB/sec SATA300, integrated in ICH7, four SATA connectors</p> <p>SATA DVD <i>Some:</i> DVD-ROM DL SATA150 16-48X Max4 Drive (41N5618)</p> <p>SATA Combo <i>Some:</i> CD-RW/DVD-ROM Combo SATA150 Drive (41N5619)</p> <p>SATA DVD±RW <i>Some:</i> Super Multi-Burner DL DVD±RW SATA150 Drive (41N5620)</p> <p>EIDE controller Enhanced IDE, ATA-100, integrated in ICH7, 1 EIDE connector on planar</p> <p>Diskette drive None</p> <p>Media reader <i>Some:</i> 9-in-1 media reader, occupies diskette drive bay, internal USB 2.0</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® Microsave® cable) • Administrator password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control • Parallel port I/O control
Chipset	<p>Intel 945GC Express Chipset; I/O Controller Hub 7 (ICH7) for SATA300, ATA-100 EIDE, PCI Express x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O</p>		
Front ports	Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm)		<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ International Warranty Service⁹ ↪ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) • 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) ↪ Post-warranty maintenance services:⁵ <ul style="list-style-type: none"> • 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) • 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) ↪ Lenovo Care services at http://lenovo.com/warranty ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378
Rear ports	Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (15-pin)		
Rear audio ports	Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm]		
Audio	High Definition (HD) audio, AD1988A codec		
External speakers	<i>Some:</i> desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo		
Internal speaker	Internal mono speaker		
Ethernet	10/100 ethernet, Realtek® RTL8101E, PCIe x1		
Modem	<i>Some:</i> 56K ¹⁰ V.90 data/fax soft modem, PCI adapter		
Keyboard	104-key Preferred Pro USB Keyboard, black		
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black		
Power supply	280 watts, universal, manual switch		
Preloaded operating system ²⁰	<ul style="list-style-type: none"> - <i>Some:</i> Microsoft® Windows® Vista Home Basic Edition (32-bit) - <i>Some:</i> Microsoft Windows Vista Home Premium Edition (32-bit) - <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit) 		
Preloaded applications ⁵ (all OSes)	<ul style="list-style-type: none"> • Network Magic™ • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Picasa from Google • Diskeeper® Home • <i>Except Model 23U:</i> Corel® Small Business Center™ with WordPerfect® Office 12 • QuickBooks Financial Center • Microsoft Office 2007 Trial • EarthLink Trial (Vista Home Basic, Vista Home Premium) 		
Preloaded applications ⁵ (all OSes)	<ul style="list-style-type: none"> • Lenovo CareSM Tools <ul style="list-style-type: none"> - Rescue and Recovery™ - System Update - Password Manager • Lenovo Multimedia Center • Norton Internet Security™ (90 days of virus definitions) • PC-Doctor™ (diagnostics) 		

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

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

Positioning Processor	<p>Excellent performance at competitive prices AMD® Athlon™ 64 3800+ with single-core, integrated L1/L2 cache, AMD64, integrated DDR2 memory controller, and virtualization technology or AMD Athlon 64 X2 4000+, 4400+, or 4800+ with dual-core, integrated L1/L2 cache, AMD64, integrated DDR2 controller, and virtualization technology Processor in 940-pin PGA package in Socket AM2</p>	<p>Tower</p> <ul style="list-style-type: none"> • Business black and silver bezel • 6.9" W X 16.7" D X 16.1" H • 175mm W X 424mm D X 410mm H • 22.0 lb (10.0 kg) • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, optical drive removal • Toolless adapter retention 	
Implementation	Processor in 940-pin PGA package in Socket AM2		
Memory	<p>512MB or 1GB std, 8GB max⁸, PC2-5300 667MHz DDR2, non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Non-italics:</i> standard memory in one socket; 3 sockets available</p>		
Graphics	<p>ATI™ Radeon™ X1250, integrated graphics in RS690, uses main memory, one 15-pin analog D-sub connector, optional PCI Express x16 adapter can support two monitors</p>	<p>Bay ① 5.25", 1.6" high, access, standard optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, opt 9-in-1/diskette Bay ④ 3.5", 1" high, no access, standard disk</p>	
SATA disk	<p>80GB, 160GB or 320GB, SATA300, 7200 rpm</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 (5v) Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)</p>	
SATA controller	<p>Serial ATA, 300MB/sec SATA300, integrated in SB600 south bridge, four SATA connectors</p>		
SATA DVD	<p><i>Some:</i> DVD-ROM DL SATA150 16-48X Max⁴ Drive (41N5618)</p>		
SATA Combo	<p><i>Some:</i> CD-RW/DVD-ROM Combo SATA150 Drive (41N5619)</p>		
SATA DVD±RW	<p><i>Some:</i> Super Multi-Burner DL DVD±RW SATA150 Drv (41N5620)</p>		
EIDE controller	<p>Enhanced IDE, ATA-133, integrated in SB600, 1 EIDE connector on planar</p>		
Diskette drive	None		
Media reader	None		
Chipset	<p>AMD 690G Chipset; I/O Controller Hub SB600 for SATA300, ATA-133 EIDE, PCI Express x1, PCI Express x16, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O</p>		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (15-pin)		
Rear audio ports	Microphone-in (stereo), line-in (stereo), line-out (stereo) [all 3.5mm]		
Audio	High Definition (HD) audio, ALC888 codec		
External speakers	None		
Internal speaker	Internal mono speaker		
Ethernet	Gigabit ethernet on planar, Marvell® 88E8071, PCIe x1, Wake on LAN®		
Modem	None		
Security chip	Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant		
Keyboard	104-key Preferred Pro USB Keyboard, black		
Mouse	Optical Wheel Mouse (USB only), 400 dpi, black		
Power supply	280 watts, universal, manual switch		
Preloaded operating system²⁰	<p>- Microsoft® Windows® XP Professional</p>		
Preloaded applications⁵ (only some listed)	<ul style="list-style-type: none"> • Lenovo CareSM Tools <ul style="list-style-type: none"> - Rescue and Recovery™ - System Update - Password Manager • Norton Internet Security™ (90 days of virus definitions) • PC-Doctor™ (diagnostics) • Adobe® Reader • Windows Live™ Toolbar • Picasa from Google • Diskeeper® Home • Core!® Small Business Center™ with WordPerfect® Office 12 • Core! Photo Album Starter™ 6 • Microsoft Office 2007 Trial • InterVideo WinDVD (combo, DVD, DVD±RW) 	<p>Accessories</p> <ul style="list-style-type: none"> 1GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2001 2GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2002 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 160GB Serial ATA300 Disk (7200 rpm) 09N4254 250GB Serial ATA300 Disk (7200 rpm) 41N3015 500GB Serial ATA300 Disk (7200 rpm) 43R1990 USB Portable Diskette Drive 05K9276 USB 2.0 Essential Memory Key 2GB 41U4944 USB 2.0 Security Memory Key 2GB 41U5119 USB 2.0 Security Memory Key 4GB 41U5120 USB 2.0 Portable 80GB Hard Disk 41N8378 USB 2.0 Portable 120GB Hard Disk 41N8379 USB 2.0 Super Multi-Burner Drive-LS 41N5565 Preferred Pro Full Size PS/2 Keyboard 31P7415 Wireless Kbd & Opt Wheel Mouse (via USB) 73P4067 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8519 ThinkVision® L193p 19" LCD Monitor 4431HB2 ThinkVision L194 Wide 19" LCD Monitor 4434HB2 ThinkVision L220x Wide 22" LCD Monitor 4433HB2 ATI Radeon HD 2400 XT 256MB 43R1962 Other accessories at http://lenovo.com/accessories 	<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 • Boot sequence control • Boot without keyboard, mouse, diskette • Unattended start mode • Serial port I/O control • Parallel port I/O control
			<p>Limited Warranty¹</p> <ul style="list-style-type: none"> ↪ 1-year parts and labor ↪ International Warranty Service⁹ ↪ Customer Replaceable Unit (CRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time ↪ Onsite service upgrade options (in eligible locations):⁷ <ul style="list-style-type: none"> • 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) • 3-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0542) ↪ Post-warranty maintenance services:⁶ <ul style="list-style-type: none"> • 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543) • 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544) ↪ Lenovo Care services at http://lenovo.com/warranty ↪ 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

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

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

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

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

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

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

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

Partial list of accessories supported on

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

Memory

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

Optical

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

Storage and removable storage

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

Graphics

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

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

Keyboard

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

Mouse

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

Multimedia

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

Power and Cables

Belkin 7-Outlet Surge Protector	31P7657	
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Security

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

Monitors

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

Monitor Accessories⁴⁶

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

⁴⁶ Compatible on selected Lenovo and ThinkVision monitors.

Medialess License Key (MLK)

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

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

Accessories Guide at pdf lenovo.com/accessoriesguide

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

Lenovo CareSM maintenance services

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

Post-warranty maintenance services:⁶

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

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

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

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

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



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

Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

- ¹ **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.
- ² **Hard disk drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.
- ³ **Customer Replacement Units (CRUs)** are designed to be replaced by customers during the applicable warranty period. Lenovo will send a technician onsite to perform a repair if remote telephone diagnosis does not isolate the problem, if customer replaceable parts are unable to resolve the problem, or at the request of the customer. For a list of customer replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges.
- ⁴ **CD and DVD list** maximum rates; rates are variable and are often less than the maximum.
- ⁵ **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. License agreements may apply.
- ⁶ **Post-warranty annual maintenance agreement:** Service begins at the end of the base warranty or the end of any other applied warranty and maintenance option, whichever occurs last. Service delivery is not available the same day the maintenance agreement is purchased. Maintenance agreements must be purchased and the registration successfully completed prior to the service being available.

⁷ **Lenovo Care Services:** Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part at your discretion, will be express shipped to you for quick replacement. See Lenovo Care terms and conditions for complete details and restrictions.

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

⁹ **International Warranty Service** is available for most models in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

¹⁰ **Modem speeds:** Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

¹¹ **For combination drives,** maximum speeds only are given in the following order: CD read, CD write, CD re-write, DVD read.

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

²⁰ **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.



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