



Personal Systems Reference *Lenovo® 3000 Notebooks*

January 2009 - Version 350



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

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Graphics controller	SATA disk	EIDE optical	Mini PCIe 802.11 wireless	Bluetooth	Fingerprint reader	Chip-set	Preload	Avail date
✕ 0769-ALU	Celeron 530	1.73	512MB	15.4" WXGA		GMA	80GB ⁸	Combo	Lenovo 11b/g ¹¹			GM	Home Basic	Oct 07
✕ 0769-AMU	Celeron 530	1.73	512MB	15.4" WXGA		GMA	80GB	Combo	Lenovo 11b/g			GM	XP Pro	Oct 07
✕ 0769-ANU	Pentium T2310	1.46	1GB	15.4" WXGA		GMA	120G	DVD±RW	Lenovo 11b/g		Finger	GM	XP Pro	Oct 07
✕ 0769-APU	Pentium T2310	1.46	1GB	15.4" WXGA	Cam	GMA	160G	DVD±RW	Lenovo 11b/g	Blue	Finger	GM	XP Pro	Oct 07
0769-ASU	Celeron 540	1.86	512MB	15.4" WXGA		GMA	80GB	Combo	Lenovo 11b/g			GM	Home Basic	Dec 07
0769-ATU	Celeron 540	1.86	512MB	15.4" WXGA		GMA	80GB	Combo	Lenovo 11b/g			GM	XP Pro	Dec 07
✕ 0769-AUU	Pentium T2330	1.60	1GB	15.4" WXGA		GMA	120G	DVD±RW	Lenovo 11b/g		Finger	GM	XP Pro	Dec 07
0769-AVU	Pentium T2330	1.60	1GB	15.4" WXGA	Cam	GMA	120G	DVD±RW	Lenovo 11b/g	Blue	Finger	GM	Home Prem	Dec 07
0769-F8U	Celeron 550	2.00	1GB	15.4" WXGA		GMA	80GB	Combo	Intel 11a/b/g ¹¹			GM	Home Basic	Apr 08
0769-F9U	Pentium T2390	1.86	1GB	15.4" WXGA	Cam	GMA	120G	DVD±RW	Intel 11a/b/g	Blue	Finger	GM	Home Prem	Apr 08
0769-FAU	Pentium T2390	1.86	1GB	15.4" WXGA		GMA	120G	DVD±RW	Intel 11a/b/g		Finger	GM	Business 32	Apr 08
0769-FBU	Celeron 550	2.00	1GB	15.4" WXGA		GMA	80GB	Combo	Lenovo 11b/g			GM	Business 32	May 08
Ⓢ 0769-FCU	Pentium T2390	1.86	1GB	15.4" WXGA		GMA	160G	DVD±RW	Intel 11n ²⁸		Finger	GM	XP Pro	Jun 08

These Lenovo 3000 N200 models use a 15.4" widescreen display

Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Celeron® Processor 530, 540, or 550 with single-core, Execute Disable Bit, Intel 64 Technology, 533MHz system bus, and 1MB L2 cache or Intel Pentium® Dual-Core Processor T2310, T2330, or T2390 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 533MHz system bus, and 1MB shared L2 cache</p>									<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Some: Microsoft Windows XP Professional with Vista® COA - Some: Microsoft Windows Vista Home Basic Edition (32-bit) - Some: Microsoft Windows Vista Home Premium Ed (32-bit) - Some: Microsoft Windows Vista Business Edition (32-bit) <p>↳ Vista models: Vista Basic logo</p>				
Memory	<p>512MB or 1GB std / 4GB max^{7/} PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available</p>									<p>Preloaded applications¹⁴ (all OSes)</p> <ul style="list-style-type: none"> • Lenovo CareSM Tools <ul style="list-style-type: none"> - Rescue and RecoveryTM - System Update - Password Manager - Access ConnectionsTM • Norton Internet SecurityTM (90 days of virus definitions) • Softex OmniPass (on fingerprint models) • PC-DoctorTM (diagnostics) • Adobe® Reader • Picasa from Google • Diskeeper® Lite (XP models) • Diskeeper Home (Vista models) • Corel® Small Business CenterTM with WordPerfect® Office 12 • QuickBooks Financial Center • Network MagicTM (Vista only) • Windows LiveTM Toolbar • Windows Live Search • QuickBooks Financial Center (Vista only) • Microsoft Office 2007 Trial (60-day) • EarthLink (Vista Home Basic models only) 				
Diskette drive	None (use optional USB-based diskette drive)													
EIDE Combo	Some: DVD-ROM/CD-RW / 24X/24X/24X/8X ²¹ speed, fixed, not removable, 12.7mm													
EIDE DVD±RW	Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm high													
SATA disk	80GB⁸ (5400 rpm), 120GB (5400 rpm), or 160GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable and upgradable													
Widescreen display	15.4" (391.1mm) WXGA (1280x800) TFT color, VibrantView (glossy), CCFL backlight, 185 nits, 16:10 aspect ratio, 400:1 contrast ratio													
Camera	Some: camera on top of screen, 1.3-megapixel, fixed focus, internal USB 2.0													
Graphics	Intel Graphics Media Accelerator X3100 , in GM965													
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys, Lenovo Care SM button													
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)													
Dimensions ³	<p><i>6-cell (WxDxH):</i> 14.2"x 10.5"x 1.2" to 1.5"; 360.1mm x 266.7mm x 31.4 to 38.6mm;</p> <p><i>9-cell (WxDxH):</i> 14.2"x 11.3"x 1.2" to 1.5"; 360.1mm x 286.6mm x 31.4 to 38.6mm</p> <p>with optical drive and battery: <i>6-cell:</i> 6.02 lb to 6.34 lb (2.73 to 2.88 kg)</p>													
Weight ²	Silver top; silver bottom													
Case color	ABS plastic													
Case material	Lithium Ion 6-cell , smart battery													
Battery - type	<i>6-cell:</i> up to 3.5 hr; <i>optional 9-cell:</i> up to 4.9 hr													
Battery - life ¹⁰	<p>Mobile Intel GM965 Express Chipset (Graphics Memory Controller Hub); ICH8M I/O Controller Hub (SATA 3.0Gb/s, ATA-100 EIDE, USB 2.0, PCI Express® 1.1, PCI 2.3), LPC bus (ENE KB925 Super I/O)</p> <p>One slot (ExpressCard/34, ExpressCard/54)</p> <p>5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PROTM, Secure Digital, xD-Picture CardTM)</p>													
ExpressCard/54	Four USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45), S-video out port (TV out; one 7-pin industry standard connector), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)													
Multicard Reader	<p>One Mini PCI Express slot, not customer upgradable</p> <p>Some: 11b/g wireless⁴, Lenovo 11b/g Mini PCI Express Adapter, Broadcom® chipset</p> <p>Some: 11a/b/g wireless⁴, Mini PCI Express adapter, Intel PRO/Wireless 3945ABG</p> <p>Some: 11a/b/g/n wireless⁴, Mini PCIe adapter, Intel Wireless WiFi Link 4965AGN, MIMO 2x3 (Kedron)</p>													
Ports	<p>Some: Bluetooth 2.0 wireless, USB 2.0 interface via ICH8M, LED indicator</p> <p>56K V.92⁶ modem, not customer accessible</p> <p>10/100 ethernet, Broadcom® BCM5906M, PCI 2.3</p> <p>Intel High Definition (HD) Audio, RealTek® ALC861VD codec / stereo speakers, 1.5 watt / volume, up, down, mute button / stereo microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)</p> <p>Power-on password, hard disk password, supervisor password, security keyhole</p>													
Mini PCI Express	<p>Some: Fingerprint reader on palm rest, swipe sensor, no preboot support</p>													
Lenovo 11b/g ¹¹	<p>Limited warranty¹² 1-year - EasyServ^{TM,19} depot repair service / service upgrades²² available</p>													
Intel 11a/b/g ¹¹	<p>1GB PC2-5300 DDR2 SODIMM (TopSeller) 43R1999</p> <p>2GB PC2-5300 DDR2 SODIMM (TopSeller) 43R2000</p> <p>120GB Disk SATA 1.5Gb/s (5400 rpm) 41N5693</p> <p>USB 2.0 Essential Memory Key 8GB 45J7905</p> <p>USB 2.0 Super Multi-Burner Drive 41N5565</p> <p>USB 2.0 Lenovo Enhanced Port Replicator 43R8770</p> <p>Lenovo Laser Mouse (USB, PS/2) 41U3074</p> <p>ExpressCard Gemplus Smart Card Readr 41N3043</p> <p>Other accessories on O-N200 sheet</p>													
Intel 11n ²⁸	<p>Lenovo C200/N200 15W Battery 6-cell 40Y8322</p> <p>Lenovo N200 15W Li-Ion Battery 9-cell 41U5027</p> <p>ThinkPad® and Lenovo 65W AC Adapter 40Y7696</p> <p>90W Slim AC/DC Combo Adapter 41N8460</p> <p>ThinkVision® L2240p Wide 22" Monitor 4422HB6</p> <p>ThinkVision L2440p Wide 24" Monitor 4420HB2</p> <p>Lenovo Carrying Case - Messenger Max 41U5253</p> <p>Lenovo Case - Performance Backpack 41U5254</p> <p>Others at http://lenovo.com/accessories</p>													
Bluetooth TM										<p>65-watt AC adapter (GMA X3100 graphics models)</p> <p>Wireless on/off switch</p> <p>RoHS-compliant</p> <p>International Warranty Service¹⁷</p> <p>24 hour x 7 day¹⁸ toll-free support during the warranty period¹² via 800-426-7378</p>				
Modem										<p>Lenovo CareSM 1-year LOR 9x5 NBD 41K0547</p> <p>Lenovo Care 2-year LOR 9x5 NBD 41K0548</p> <p>Lenovo Care 2-year P&L PU Depot 41K0545</p> <p>Lenovo Care 3-year LOR 9x5 NBD 41K0549</p> <p>Lenovo Care 3-year P&L PU Depot 41K0546</p>				
Ethernet														
Audio support														
Security														
Fingerprint reader														

See footnotes for important warranty information

Ⓢ US model announced June 24, 2008; previous models on Oct 2, Dec 4, 2007, Apr 8, or May 6, 2008

✕ US models withdrawn effective December 2007

Partial list of accessories supported on:

- Lenovo 3000 N200 14W originally announced on May 22, 2007
- Lenovo 3000 N200 15W originally announced on May 9, 2007

Memory

1GB PC2-5300 DDR2 SODIMM (TopSeller)	43R1999	ann 03/25/08
2GB PC2-5300 DDR2 SODIMM (TopSeller)	43R2000	ann 03/25/08

Storage and removable storage

USB 2.0 Essential Memory Key 1GB	41U4940	ann 01/23/07
USB 2.0 Essential Memory Key 2GB	41U4944	ann 01/23/07
USB 2.0 Essential Memory Key 4GB	45J7904	ann 06/24/08
USB 2.0 Essential Memory Key 8GB	45J7905	ann 07/15/08
USB 2.0 Essential Memory Key 32GB	45K1258	ann 10/28/08
USB 2.0 Security Memory Key 1GB	41U5118	ann 07/17/07
USB 2.0 Security Memory Key 2GB	41U5119	ann 07/17/07
USB 2.0 Security Memory Key 4GB	41U5120	ann 07/17/07
USB 2.0 Ultra Secure Memory Key 1GB	45J5915	ann 08/26/08
USB 2.0 Ultra Secure Memory Key 2GB	45J5916	ann 08/26/08
USB 2.0 Ultra Secure Memory Key 4GB	45J5917	ann 08/26/08
USB 2.0 Ultra Secure Memory Key 8GB	45J5918	ann 08/26/08
USB 2.0 Super Multi-Burner Drive	41N5565	ann 01/23/07
120GB Disk 9.5mm SATA 1.5Gb/s (5400 rpm)	41N5693	ann 03/20/07

Expansion

USB 2.0 Lenovo Enhanced Port Replicator	43R8770	ann 02/26/08
ThinkPad Adjustable Notebook Stand	40Y7676	ann 09/20/05

Keyboard

USB Numeric Keypad	33L3225	ann 05/01/00
Preferred Pro USB Keyboard	73P5220	ann 06/21/05
Enhanced Performance USB Keyboard	73P2620	ann 03/23/04
Wireless Kybd & Opt Wheel Mouse (via USB)	73P4067	ann 12/07/04
USB Keyboard with UltraNav	31P8950	ann 01/28/03
USB Travel Keyboard with UltraNav	31P9490	ann 04/27/04

Mouse

Optical Wheel Mouse (USB)	06P4069	ann 05/21/03
Optical ScrollPoint® Mouse (USB, PS/2)	31P7405	ann 08/27/02
Optical Wheel Travel Mouse (USB, PS/2)	31P7410	ann 06/04/02
Laser Tilt Wheel Mouse (USB, PS/2)	41U3074	ann 01/23/07
Lenovo Wireless Laser Mouse (blk, via USB)	45K1696	ann 11/25/08
Lenovo Wireless Laser Mouse (red, via USB)	51J0198	ann 11/25/08
Laser Tilt Wheel Travel Mouse (Bluetooth)	41U5008	ann 01/22/08
Wireless Kybd & Opt Wheel Mouse (via USB)	73P4067	ann 12/07/04

Security

Kensington® Cable Lock from Lenovo	73P2582	ann 12/29/03
Kensington Twin Head Cable Lock	45K1620	ann 09/30/08
USB Gemplus GemPC Smart Card Reader	41N3040	ann 02/21/06
<i>ExpressCard/54 slot:</i>		
ExpressCard Gemplus Smart Card Reader	41N3043	ann 06/27/06

Multimedia

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

Power Accessories

N200 14W (0687) only:

Lenovo N200 14W Li-Ion Battery 6-cell	41U5025	ann 05/22/07
Lenovo N200 14W Li-Ion Battery 9-cell	41U5026	ann 05/22/07

N200 15W (0769) only:

Lenovo C200/N200 15W Li-Ion Battery 6-cell	40Y8322	ann 10/17/06
Lenovo N200 15W Li-Ion Battery 9-cell	41U5027	ann 05/09/07

All models:

ThinkPad and Lenovo 65W AC Adapter ⁴⁵	40Y7696	ann 09/20/05
⁴⁵ Only compatible with the 945GM and GM965 chipset models.		
ThinkPad and Lenovo 90W AC Adapter	40Y7659	ann 09/20/05
Lenovo 90W Slim AC/DC Combo Adapter	41N8460	ann 11/27/07
Belkin Surge Protector	31P7659	
Belkin 1 outlet Notebook Surge	31P7658	

Carrying Cases

Lenovo Carrying Case - Messenger Max	41U5253	ann 05/01/07
Lenovo Carry Case - Performance Backpack	41U5254	ann 05/01/07
Lenovo Standard Case	45K1697	ann 11/25/08
Lenovo Standard Backpack	45K1698	ann 11/25/08

Monitors

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

Monitor Accessories⁴⁶

ThinkVision USB Soundbar	40Y7616	ann 08/23/05
ThinkVision Soundbar	45K1263	ann 09/16/08
Kensington Cable Lock from Lenovo	73P2582	ann 12/29/03
Kensington Twin Head Cable Lock	45K1620	ann 09/30/08
ThinkPad Convertible Monitor Stand	40Y7620	ann 01/05/06
Radial Arm	19K4464	ann 05/05/00

⁴⁶Compatible on selected Lenovo and ThinkVision monitors.

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

Other accessories at www.lenovo.com/accessories

Accessories Guide pdf at www.lenovo.com/accessoriesguide

Lenovo CareSM maintenance services

Warranty service upgrade:²²

1-year Lenovo Onsite Repair (LOR) 9x5 Next Business Day	41K0547
2-year Lenovo Onsite Repair (LOR) 9x5 Next Business Day	41K0548
2-year Parts and Labor (P&L) Pickup Depot	41K0545
3-year Lenovo Onsite Repair (LOR) 9x5 Next Business Day	41K0549
3-year Parts and Labor (P&L) Pickup Depot	41K0546

Post-warranty maintenance services:⁵

1-year maintenance Parts and Labor Pickup Depot SBD	41K0550
1-year maintenance 9x5 Next Business Day response	41K0551
2-year maintenance Parts and Labor Pickup Depot SBD	41K0552
2-year maintenance 9x5 Next Business Day response	41K0553

[SBD=Second Business Day average response]

Lenovo Care maintenance services at www.lenovo.com/warranty

lenovo



Lenovo 3000 N500



Lenovo 3000 N500



Lenovo 3000 N500



Lenovo 3000 N500

Lenovo® 3000 N500 15W (4233)

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	Memory	Wide-screen display	Screen type	Camera	Integrated graphics	Disk SATA GB ⁸ rpm	SATA optical	Mini PCIe 802.11 wireless	Mini PCIe WWAN	Mini PCIe UWB or Turbo	Blue/ Fing	Battery cells	Vista preload	Availability
4233-52U	Cel 575	2.00	1GB	15.4"	WXGA	Glossy	Cam	GMA 160G 5400	DVD±RW	Lenovo 11b/g ¹¹	None	None	No	6	Home B	Nov 08
✕ 4233-53U	T3200	2.00	1GB	15.4"	WXGA	Glossy	Cam	GMA 160G 5400	DVD±RW	Lenovo 11b/g	None	None	No	6	Bus 32	Nov 08
4233-54U	T3400	2.16	2GB	15.4"	WXGA	Glossy	Cam	GMA 250G 5400	DVD±RW	Lenovo 11b/g	None	None	No	6	Bus 32	Nov 08
✕ 4233-62U	T3200	2.00	1GB	15.4"	WXGA	Glossy	Cam	GMA 160G 5400	DVD±RW	Lenovo 11b/g	None	None	No	6	XP Pro	Nov 08
4233-63U	T3400	2.16	2GB	15.4"	WXGA	Glossy	Cam	GMA 250G 5400	DVD±RW	Lenovo 11b/g	None	None	No	6	XP Pro	Nov 08
☞ 4233-6BU	T3400	2.16	1GB	15.4"	WXGA	Glossy	Cam	GMA 160G 5400	DVD±RW	Lenovo 11b/g	None	None	No	6	XP Pro	Jan 09

• These Lenovo 3000 N500 models use a 15.4" widescreen display

Processor	Intel® Celeron® Processor 575 with single-core, 667MHz system bus, and 1MB L2 cache or Intel Pentium® processor T3200 or T3400 with dual-core, 667MHz system bus, and 1MB L2 cache	Preloaded operating system ²⁰ - Some: Microsoft Windows® XP Professional with Vista® COA
Memory	1GB or 2GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available	- Some: Microsoft Windows Vista Home Basic Edition (32-bit) - Some: Microsoft Windows Vista Business Edition (32-bit)
SATA DVD±RW SATA disk	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable, tray-in 160GB ⁸ (5400 rpm) or 250GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable, upgradable	◇ Vista Basic logo
Widescreen display Camera	15.4" (391.2mm) WXGA (1280x800) color, VibrantView (glossy), CCFL backlight, 185 nits, 16:10 aspect ratio, 400:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus	Preloaded applications ¹⁴ • Lenovo Care™ Tools • Rescue and Recovery™ • Access Connections™ • System Update • Norton Internet Security™ (90 days of virus definitions) • PC-Doctor™ (diagnostics) • ThinkPad Utilities (Power Manager and Presentation Director) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Microsoft Office 2007 Trial (60-day) • Roxio® Creator® Small Business Edition • Corel WinDVD® (DVD±RW)
Integrated graphics	Intel Graphics Media Accelerator 4500M (GMA 4500M), in GL40, HDMI port supporting HDCP to output protected content <i>Max external resolution:</i> 2048x1536@75Hz (DB-15 port); 1920x1080 (HDMI port)	
Keyboard Touch controls Touch pad	Full-size keyboard, 6-row, Lenovo Care button, multimedia Fn keys, Windows/Appl keys Touch-sensitive audio control panel (Mute, vol up, vol down, enable/disable touchpad) Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	6-cell 15.4W" (WxDxH): 14.1" x 10.1" x 1.22–1.46"; 358.5 x 256.5mm x 31–37mm 6-cell: starting at 5.95 lb (2.7kg) Silver top cover; black bottom Scratch-resistant ABS plastic Lithium Ion 6-cell 6-cell: up to 3.8 hr	
Chipset	Mobile Intel GL40 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC)	
ExpressCard/54 Multicard reader PC Card Smart Card read Ports	One slot (ExpressCard/34, ExpressCard/54) 4-in-1 reader (Memory Stick, Memory Stick PRO™, Secure Digital, xD-Picture Card™) None None Four USB 2.0, external monitor (VGA DB-15, HDMI), modem (RJ-11), ethernet (RJ-45)	
Mini PCI Express Lenovo 11b/g ¹¹ WWAN upg 2G Turbo UWB Modem Bluetooth™ Ethernet Intel AMT Audio support	One Mini PCI Express slot 11b/g wireless ⁴ , Lenovo 11b/g Mini PCI Express Adapter, Broadcom® chipset None None None 56K V.92 ⁶ modem None 10/100 ethernet, Broadcom® BCM5906M None High Definition (HD) Audio, CX20561-15Z codec / stereo speakers, 2 watt / volume up, down, mute buttons / microphone, mic input jack, headphone jack	65-watt (GMA graphics) AC adapter ENERGY STAR® 4.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None None	Lenovo Care SM 1-year LOR 9x5 NBD 41K0547 Lenovo Care 2-year LOR 9x5 NBD 41K0548
Limited warranty ¹²	1-year - EasyServ™ ¹⁹ depot repair service / service upgrades ²² available	Lenovo Care 2-year P&L PU Depot 41K0545
1GB PC2-5300 DDR2 SODIMM (TopSeller)	43R1999	Lenovo Care 3-year LOR 9x5 NBD 41K0549
2GB PC2-5300 DDR2 SODIMM (TopSeller)	43R2000	Lenovo Care 3-year P&L PU Depot 41K0546
USB 2.0 Essential Memory Key 4GB	45J7904	
USB 2.0 Essential Memory Key 32GB	45K1258	
USB 2.0 Lenovo Webcam	40Y8519	
USB 2.0 Lenovo Enhanced Port Replicator	43R8770	
Laser Tilt Wheel Travel Mouse (Bluetooth)	41U5008	
	N500 Series Li-Ion Battery 6-cell Lenovo 90W AC Adapter Business Topload Case Deluxe Expander Case ThinkVision® L2240p Wide 22" Monitor ThinkVision L2440x Wide 24" Monitor Other accessories at lenovo.com/accessories	

See footnotes for important warranty information

☞ US model announced January 6, 2009; previous models on November 11 or November 25, 2008

✕ US models withdrawn effective January 2009

© Lenovo
(DOV1-1) January 2009

Type-model	Processor	GHz	Memory	Widescreen display	Screen type	Camera	Integrated graphics	SATA disk	EIDE optical	Mini PCIe 802.11 wireless	Finger-print reader	Battery cells	Preload	Avail date	
✕ 0764-2BU	Core 2 Duo T7100	1.80	1GB	12.1" WXGA	Glossy	Cam	GMA	160GB	DVD±RW	*Intel 11a/b/g ¹¹	Blue	Fing	3	Home Prem	May 07
✕ 0764-2CU	Core 2 Duo T7300	2.00	1GB	12.1" WXGA	Glossy	Cam	GMA	160GB	DVD±RW	*Intel 11a/b/g	Blue	Fing	6	Business 32	May 07
✕ 0764-2DU	Core 2 Duo T7300	2.00	2GB	12.1" WXGA	Glossy	Cam	GMA	160GB	DVD±RW	*Intel 11n ²⁸	Blue	Fing	6	Ultimate 32	May 07
✕ 0764-2NU	Core 2 Duo T5250	1.50	2GB	12.1" WXGA	Glossy	Cam	GMA	160GB	DVD±RW	*Intel 11n	Blue	Fing	6	Ultimate 32	July 07
✕ 0764-2PU	Core 2 Duo T5250	1.50	1GB	12.1" WXGA	Glossy	Cam	GMA	160GB	DVD±RW	*Intel 11a/b/g	Blue	Fing	6	XP Pro	Oct 07
0764-2WU	Core 2 Duo T5550	1.83	1GB	12.1" WXGA	Glossy	Cam	GMA	160GB	DVD±RW	*Intel 11a/b/g	Blue	Fing	3	XP Pro	Jan 08
0764-2XU	Core 2 Duo T5550	1.83	2GB	12.1" WXGA	Glossy	Cam	GMA	160GB	DVD±RW	*Intel 11n	Blue	Fing	6	Business 32	Jan 08
☞ 0764-2YU	Core 2 Duo T5750	2.00	1GB	12.1" WXGA	Glossy	Cam	GMA	160GB	DVD±RW	*Intel 11a/b/g	Blue	Fing	3	Business 32	Mar 08

• These models use a 12.1" widescreen display
 • Two-spindle (disk and optical) in an ultraportable
 • Multimedia ready: press button to load InterVideo InstantON music and movie player without loading OS

Positioning	Widescreen ultraportable; two spindles	Preloaded operating system²⁰ - Some: Microsoft® Windows® XP Professional with Vista® COA - Some: Microsoft Windows Vista Home Premium Ed (32-bit) - Some: Microsoft Windows Vista Business Edition (32-bit) - Some: Microsoft Windows Vista Ultimate Edition (32-bit) ✧ 2YU model: Vista Basic logo ✧ Other Vista models: Vista Premium logo Preloaded applications¹⁴ (all OSes) • Lenovo Care SM Tools – Rescue and Recovery™ – System Update – Password Manager – Access Connections™ • Lenovo Multimedia Center (Vista) • Norton Internet Security™ (90 days of virus definitions) • Softex OmniPass (on fingerprint models) • PC-Doctor™ (diagnostics) • Network Magic™ • Windows Live™ Toolbar • Windows Live Search • Adobe® Reader • Picasa from Google • Diskeeper® Home • Corel® Small Business Center™ with WordPerfect® Office 12 • QuickBooks Financial Center • Microsoft Office 2007 Trial • EarthLink (Vista Home Basic and Home Premium models only) • InterVideo InstantON • Roxio Digital Media LE (DVD±RW for XP only) • Corel WinDVD® (DVD±RW for XP only) • Corel WinDVD Creator (DVD±RW for XP only) Universal 65-watt AC adapter Wireless on/off switch RoHS-compliant ENERGY STAR® 4.0-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378
Processor	Intel® Core™ 2 Duo processor T5250, T5550, or T5750 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep® technology ¹ , Execute Disable Bit, 667MHz system bus, and 2MB shared L2 cache or Intel Core 2 Duo processor T7100 or T7300 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep technology ¹ , Intel Dynamic Acceleration, Execute Disable Bit, Virtualization Technology, and 800MHz system bus; T7100: 2MB L2 cache (shared); T7300: 4MB L2 cache (shared)	
Memory	1GB or 2GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available	
Diskette drive	None (use optional USB-based diskette drive)	
EIDE DVD±RW SATA disk	DVD burner, DL support, fixed, not removable, 12.7mm high 160GB ⁸ (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable and upgradable	
Widescreen display	12.1" (307.3mm) WXGA (1280x800) TFT color, VibrantView (glossy), CCFL backlight, 180 nits, 16:9 aspect ratio, 400:1 contrast ratio, no latch open-close mechanism	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, internal USB 2.0	
Graphics	Intel Graphics Media Accelerator X3100, in GM965	
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys; <i>Buttons across top:</i> on-off, Lenovo Care SM , instant on, mute, volume down, volume up	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
InstantON	Press button to load InterVideo InstantON music and movie player without loading OS	
Dimensions ³	3-cell (WxDxH): 12.01" x 8.94" x 1.25"; 305.1mm x 227.0mm x 31.7mm 6-cell (WxDxH): 12.01" x 9.68" x 1.25"; 305.1mm x 246.0mm x 31.7mm	
Weight ²	with optical drive and battery: 4.0 lb (1.81kg) to 4.4 lb (1.99kg)	
Case color	Silver top; black bottom	
Case material	ABS plastic	
Battery - type	Lithium Ion 3-cell or 6-cell, 2600 mAh, smart battery	
Battery - life ¹⁰	3-cell: up to 2.1 hr; 6 cell: up to 4.2 hr	
Chipset	Mobile Intel GM965 Express Chipset (Graphics Memory Controller Hub); ICH8M I/O Controller Hub (SATA 3.0Gb/s, ATA-100 EIDE, USB 2.0, PCI Express® 1.1, PCI 2.3), LPC bus (ENE KB925 Super I/O)	
ExpressCard/54	One slot (ExpressCard/34, ExpressCard/54)	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital, xD-Picture Card™)	
Ports	Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
Mini PCI Express	One Mini PCI Express slot, not customer upgradable	
Intel 11a/b/g ¹¹	Some: 11a/b/g wireless ⁴ , Mini PCI Express adapter, Intel PRO/Wireless 3945ABG	
Intel 11n ²⁸	Some: 11a/b/g/n wireless ⁴ , Mini PCI Express adapter, Intel Wireless WiFi Link 4965AGN, MIMO 2x3 (Kedron)	
Bluetooth™	Bluetooth 2.0 wireless, USB 2.0 interface via ICH8M, LED indicator	
Modem	56K V.92 ⁶ modem	
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI Express x1	
Audio support	Intel High Definition (HD) Audio, Conexant® CX20549 codec / stereo speakers, 1 watt / volume, up, down, mute button / stereo microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	Power-on password, hard disk password, supervisor password, security keyhole	
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor, no preboot support	
Limited warranty ¹²	1-year - EasyServ™ ¹⁹ depot repair service / service upgrades ²² available	

1GB PC2-5300 DDR2 SODIMM (TopSeller)	43R1999	V100 Series Li-Ion Battery 3-cell	40Y8319	Lenovo Care SM 1-year LOR 9x5 NBD
2GB PC2-5300 DDR2 SODIMM (TopSeller)	43R2000	V100 Series Li-Ion Battery 6-cell	40Y8321	41K0547
USB Portable Diskette Drive	05K9276	ThinkPad and Lenovo 65W AC Adapter	40Y7696	Lenovo Care 2-year LOR 9x5 NBD
USB 2.0 Lenovo Multimedia Headset	40Y8518	ThinkPad and Lenovo 90W AC Adapter	40Y7659	41K0548
USB 2.0 Essential Memory Key 8GB	45J7905	90W Slim AC/DC Combo Adapter	41N8460	Lenovo Care 2-year P&L PU Depot
USB 2.0 Lenovo Enhanced Port Replicator	43R8770	Lenovo Carrying Case - Messenger Max	41U5253	41K0545
USB 2.0 Super Multi-Burner Drive	41N5565	Lenovo Case - Performance Backpack	41U5254	Lenovo Care 3-year LOR 9x5 NBD
160GB Disk 9.5mm SATA 1.5Gb/s (5400 rpm)	41N5692	ThinkVision® L2240p Wide 22" Monitor	4422HB6	41K0549
Laser Tilt Wheel Mouse (USB, PS/2)	41U3074	ThinkVision L2440x Wide 24" Monitor	4421HB2	Lenovo Care 3-year P&L PU Depot
Kensington® MicroSaver® Security Cable	73P2582	Others at http://lenovo.com/accessories		41K0546

See footnotes for important warranty information

* Intel Centrino® processor technology

© Lenovo

☞ US model announced March 18, 2008; previous models on May 22, July 17, October 2, 2007, or January 8, 2008

(FS2-1) March 2008

✕ US models withdrawn effective December 2007 or May 2008

Partial list of accessories supported on:
• Lenovo 3000 V200 announced on May 22, 2007

Memory

1GB PC2-5300 DDR2 SODIMM (TopSeller)	43R1999	ann 03/25/08
2GB PC2-5300 DDR2 SODIMM (TopSeller)	43R2000	ann 03/25/08

Storage and removable storage

USB 2.0 Essential Memory Key 1GB	41U4940	ann 01/23/07
USB 2.0 Essential Memory Key 2GB	41U4944	ann 01/23/07
USB 2.0 Essential Memory Key 4GB	45J7904	ann 06/24/08
USB 2.0 Essential Memory Key 8GB	45J7905	ann 07/15/08
USB 2.0 Essential Memory Key 32GB	45K1258	ann 10/28/08
USB 2.0 Security Memory Key 1GB	41U5118	ann 07/17/07
USB 2.0 Security Memory Key 2GB	41U5119	ann 07/17/07
USB 2.0 Security Memory Key 4GB	41U5120	ann 07/17/07
USB 2.0 Ultra Secure Memory Key 1GB	45J5915	ann 08/26/08
USB 2.0 Ultra Secure Memory Key 2GB	45J5916	ann 08/26/08
USB 2.0 Ultra Secure Memory Key 4GB	45J5917	ann 08/26/08
USB 2.0 Ultra Secure Memory Key 8GB	45J5918	ann 08/26/08
USB Portable Diskette Drive	05K9276	ann 06/05/00
USB 2.0 CD-RW/DVD-ROM Combo II Drive	40Y8637	ann 01/05/06
USB 2.0 Portable 160GB Hard Disk	43R1784	ann 09/23/08
USB 2.0 Portable Secure 160GB Hard Disk	43R2018	ann 11/18/08
USB 2.0 Portable Secure 320GB Hard Disk	43R2019	ann 11/18/08
USB 2.0 Super Multi-Burner Drive	41N5565	ann 01/23/07
160GB Disk 9.5mm SATA 1.5Gb/s (5400 rpm)	41N5692	ann 03/20/07

Expansion

USB 2.0 Lenovo Enhanced Port Replicator	43R8770	ann 02/26/08
ThinkPad Adjustable Notebook Stand	40Y7676	ann 09/20/05

Keyboard

USB Numeric Keypad	33L3225	ann 05/01/00
Preferred Pro USB Keyboard	73P5220	ann 06/21/05
Enhanced Performance USB Keyboard	73P2620	ann 03/23/04
Wireless Kybd & Opt Wheel Mouse (via USB)	73P4067	ann 12/07/04
USB Keyboard with UltraNav	31P8950	ann 01/28/03
USB Travel Keyboard with UltraNav	31P9490	ann 04/27/04

Mouse

Optical Wheel Mouse (USB)	06P4069	ann 05/21/03
Optical ScrollPoint® Mouse (USB, PS/2)	31P7405	ann 08/27/02
Optical Wheel Travel Mouse (USB, PS/2)	31P7410	ann 06/04/02
Laser Tilt Wheel Mouse (USB, PS/2)	41U3074	ann 01/23/07
Lenovo Wireless Laser Mouse (blk, via USB)	45K1696	ann 11/25/08
Lenovo Wireless Laser Mouse (red, via USB)	51J0198	ann 11/25/08
Laser Tilt Wheel Travel Mouse (Bluetooth)	41U5008	ann 01/22/08
Wireless Kybd & Opt Wheel Mouse (via USB)	73P4067	ann 12/07/04

Security

Kensington® Cable Lock from Lenovo	73P2582	ann 12/29/03
Kensington Twin Head Cable Lock	45K1620	ann 09/30/08
USB Gemplus GemPC Smart Card Reader	41N3040	ann 02/21/06
<i>ExpressCard/54 slot:</i>		
ExpressCard Gemplus Smart Card Reader	41N3043	ann 06/27/06

Multimedia

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

Power Accessories

Lenovo V100 Series Li-Ion Battery 3-cell	40Y8319	ann 05/16/06
Lenovo V100 Series Li-Ion Battery 6-cell	40Y8321	ann 05/16/06
ThinkPad and Lenovo 65W AC Adapter	40Y7696	ann 09/20/05
ThinkPad and Lenovo 90W AC Adapter	40Y7659	ann 09/20/05
Lenovo 90W Slim AC/DC Combo Adapter	41N8460	ann 11/27/07
Belkin Surge Protector	31P7659	
Belkin 1 outlet Notebook Surge	31P7658	

Carrying Cases

Lenovo Carrying Case - Messenger Max	41U5253	ann 05/01/07
Lenovo Carry Case - Performance Backpack	41U5254	ann 05/01/07
Lenovo Standard Case	45K1697	ann 11/25/08
Lenovo Standard Backpack	45K1698	ann 11/25/08

Monitors

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

Monitor Accessories⁴⁶

ThinkVision USB Soundbar	40Y7616	ann 08/23/05
ThinkVision Soundbar	45K1263	ann 09/16/08
Kensington Cable Lock from Lenovo	73P2582	ann 12/29/03
Kensington Twin Head Cable Lock	45K1620	ann 09/30/08
ThinkPad Convertible Monitor Stand	40Y7620	ann 01/05/06
Radial Arm	19K4464	ann 05/05/00

⁴⁶ Compatible on selected Lenovo and ThinkVision monitors.

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

Medialess License Key (MLK)

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

Other accessories at www.lenovo.com/accessories

Accessories Guide pdf at www.lenovo.com/accessoriesguide

Lenovo CareSM maintenance services

Warranty service upgrade:²²

1-year Lenovo Onsite Repair (LOR) 9x5 Next Business Day	41K0547
2-year Lenovo Onsite Repair (LOR) 9x5 Next Business Day	41K0548
2-year Parts and Labor (P&L) Pickup Depot	41K0545
3-year Lenovo Onsite Repair (LOR) 9x5 Next Business Day	41K0549
3-year Parts and Labor (P&L) Pickup Depot	41K0546

Post-warranty maintenance services:⁵

1-year maintenance Parts and Labor Pickup Depot SBD	41K0550
1-year maintenance 9x5 Next Business Day response	41K0551
2-year maintenance Parts and Labor Pickup Depot SBD	41K0552
2-year maintenance 9x5 Next Business Day response	41K0553

[SBD=Second Business Day average response]

Lenovo Care maintenance services at www.lenovo.com/warranty

Part number	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	EIDE optical	Mini PCIe 802.11 wireless	Finger-print reader	Chip-set	Vista preload	Avail date
59-011896	Pentium T2310	1.46	1GB	14.1" WXGA	Cam	GMA	160G ⁸	DVD±RW	Intel 11a/b/g ¹¹	None	None	GM Home Prem	Oct 07
59-011843	Core 2 Duo T5250	1.50	2GB	14.1" WXGA	Cam	GMA	160G	DVD±RW	*Intel 11a/b/g	None	None	GM Home Prem	Oct 07
59-011897	Core 2 Duo T5450	1.66	2GB	14.1" WXGA	Cam	GMA	160G	DVD±RW	*Intel 11a/b/g	None	None	GM Home Prem	Oct 07
<ul style="list-style-type: none"> • 14.1" widescreen display • Dolby Home Theater premium audio system with subwoofer • Audio DJ plays CDs without booting the system • Shuttle Center offers a one-stop, total entertainment environment with Shuttle Key that puts volume and equalizer controls on the keyboard 													
Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Pentium® Dual-Core Processor T2310 with dual-core, Enhanced Intel SpeedStep® technology ¹ , Execute Disable Bit, 533MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo processor T5250 or T5450 with dual-core, Intel 64 Technology, Enhanced Intel SpeedStep technology ¹ , Execute Disable Bit, 667MHz system bus, and 2MB shared L2 cache										Preloaded operating system²⁰ - Microsoft® Windows® Vista™ Home Premium Edition (32-bit) ⇨ Vista Premium logo Preloaded applications¹⁴ • OneKey Recovery • Norton Internet Security™ (90 days of virus definitions) • Power 2Go (DVD±RW) • Adobe® Reader • Windows Live™ Toolbar • Picasa from Google • Shuttle Center (DVD±RW) • EasyCapture • Microsoft Office 2007 Trial (60-day) • VeriFace • Earth Link • Lenovo AnyComm		
Memory	1GB or 2GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available												
Diskette drive	None (use optional USB-based diskette drive)												
EIDE DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high												
SATA disk	160GB⁸ (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, removable and upgradable												
Widescreen display	14.1" (358.1mm) WXGA (1280x800) TFT color, VibrantView (glossy), CCFL backlight, 185 nits, 16:10 aspect ratio, 400:1 contrast ratio												
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, internal USB 2.0												
Graphics	Intel Graphics Media Accelerator X3100 , in GM965												
Keyboard	Full-size keyboard, 6-row, 84-key, multimedia Fn keys, Two-button touch pad with scroll feature (no TrackPoint®)												
Touch pad													
Dimensions ³	<i>(WxDxH):</i> 13.4" x 10.0" x 1.1" to 1.5"; 340mm x 253mm x 27 to 37mm												
Weight ²	with optical drive and battery: <i>6-cell:</i> 5.2 lb (2.4 kg)												
Case color	Silver top; silver bottom												
Case material	ABS plastic												
Battery - type	Lithium Ion 6-cell , smart battery												
Battery - life ¹⁰	Up to 3.5 hr												
Chipset	Mobile Intel GM965 Express Chipset (Graphics Memory Controller Hub); ICH8M I/O Controller Hub (SATA 3.0Gb/s, ATA-100 EIDE, USB 2.0, PCI Express® 1.1, PCI 2.3), LPC bus (ENE KB925 Super I/O)												
ExpressCard/54	One slot (ExpressCard/34, ExpressCard/54)												
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)												
Ports	Three USB 2.0, external monitor (VGA DB-15), S-video out port (TV-out), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)												
InstantON	Press button to support instant on CD play without loading OS												
Video out	S-video out port (TV-out), one 7-pin industry standard connector												
Mini PCI Express	One Mini PCI Express slot, not customer upgradable												
Intel 11a/b/g	11a/b/g wireless ⁴ , Mini PCI Express adapter, Intel PRO/Wireless 3945ABG												
Bluetooth™	None												
Modem	56K V.92 ⁶ modem, not customer accessible												
Ethernet	10/100 ethernet, Broadcom® BCM5906M, PCI 2.3												
Audio support	Intel High Definition (HD) Audio, RealTek® ALC262 codec / two stereo speakers, 2 watt, and subwoofer, 2 watt, Dolby Home Theater Technology / Audio DJ button, mute button / stereo microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm)												
Security	Power-on password, hard disk password, supervisor password, security lockhole												
Fingerprint reader	None												
Limited warranty ¹²	1-year - Depot Service ¹⁹ , onsite ¹³ pickup and delivery via 1-877-453-6686												
1GB PC2-5300 DDR2 SODIMM (TopSeller)	43R1999	Lenovo Y410 Battery 6-Cell	43R1955										
2GB PC2-5300 DDR2 SODIMM (TopSeller)	43R2000	Lenovo Y Series 90W AC Adapter	41R4322										
USB Portable Diskette Drive	05K9276	Lenovo 90W AC Adapter	45J7717										
USB 2.0 Essential Memory Key 4GB	45J7904	Lenovo Carrying Case - Messenger	41N5677										
USB 2.0 Essential Memory Key 8GB	45J7905	Lenovo Carrying Case - Messenger Max	41U5253										
USB 2.0 Security Memory Key 2GB	41U5119	Lenovo Case - Performance Backpack	41U5254										
USB 2.0 Security Memory Key 4GB	41U5120	ThinkVision® L1940p Wide 19" Monitor	4424HB6										
USB 2.0 Lenovo Multimedia Headset	41N5678	ThinkVision L2240p Wide 22" Monitor	4422HB6										
USB 2.0 Lenovo Webcam	41N5679	ThinkVision L2440x Wide 24" Monitor	4421HB2										
USB 2.0 Portable 160GB Hard Disk	43R1784	Kensington® Cable Lock from Lenovo	73P2582										
Enh Perf Wireless Keyboard and Mouse	41N5672	Others at http://lenovo.com/accessories											
										65-watt AC adapter (GMA X3100 graphics models) Wireless on/off switch RoHS-compliant ENERGY STAR® 4.0-compliant			

See footnotes for important warranty information
 US models announced October 9, 2007

* Intel Centrino® processor technology

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.

Footnotes:

- ¹ Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.
- ² **Weight** includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.
- ³ **Thinness** may vary at certain points on the system.
- ⁴ **Wireless capability:** Requires compatible wireless-enabled options sold separately.
- ⁵ **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.
- ⁶ **Public network download modem 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.
- ⁷ **Maximum memory capacity** may require the replacement of standard component with largest supported component available. On ThinkPad systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems Windows XP Professional 64-bit and Windows Vista 64-bit Editions.
- ⁸ **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.
- ¹⁰ **Battery:** These model numbers achieved Battery Rundown Time of at least the time shown during testing. A description of the testing available at lenovo.com/pc/ww/thinkpad/batterylife. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.
- ¹¹ **Wireless:** Based on IEEE 802.11a, 802.11b, and 802.11g respectively. An adapter with 11a/b, 11b/g, or 11a/b/g can communicate on either/any of these listed formats respectively, the actual connection will be based on the access point to which it connects.
- ¹² **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.
- ¹³ **Onsite Service:** If a machine is listed as having "On-site", this means that on-site service is available for the replacement of parts for warranty repairs. Certain parts, referred to as Customer Replaceable Unit ("CRU") parts, are easy to install and require little or no tools or technical knowledge. Some examples of CRU parts are mice, keyboards, hard disk drives, speakers, and memory. If your problem can be resolved with a CRU, the Support Center will offer to ship the part to you for you to install.
- ¹⁴ **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.
- ¹⁵ **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.
- ¹⁷ **International Warranty Service** is available for most products 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.
- ¹⁸ **Telephone support** may be subject to additional charges, even during the limited warranty period. Response times may vary and may exclude some holidays.
- ¹⁹ **EasyServ depot repair:** The customer may be asked certain diagnostic questions before a courier is sent. Your purchase includes this depot repair service, available in the U.S. during the limited warranty period.
- 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.
- ²¹ **For combination drives**, maximum possible speeds only are given in the following order: CD write, CD rewrite, CD read, DVD read.
- ²² **Lenovo Care Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part can be express shipped to you for quick replacement. For notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor. P/U means pick-up. See terms and conditions for complete details and restrictions.
- ²⁵ **Wireless WAN Cards:** Wireless data service requires separate agreement with Verizon Wireless. Verizon Wireless, not Lenovo, is solely responsible for service. Monthly and airtime charges may apply. Service may not be available in all areas; purchaser is responsible for verifying with Verizon Wireless that service is available for the intended location before the purchase of the card. For complete details, including service plans, additional required hardware or software, and service coverage, visit www.verizonwireless.com.

²⁸ **The IEEE 802.11n specification (MIMO)** has not been finalized and is currently in draft release. The Lenovo 11a/b/g/n (11n) Wireless LAN Mini PCI Express Adapters are based on the Draft Release, Version 1.0, of the IEEE 802.11n specification. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, or 11a/b/g/n can communicate on any of its supported formats.

This publication was developed for products and services offered in the United States. Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area.

Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. LENOVO PROVIDES THIS PUBLICATION "AS IS," WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore this disclaimer may not apply to you.



Trademarks: Lenovo, the Lenovo logo, New World. New Thinking., Access Connections, Rescue and Recovery, ThinkCentre, ThinkPad, ThinkStation, ThinkVantage, and ThinkVision are trademarks of Lenovo. Microsoft, Windows, and Vista are registered trademarks of Microsoft Corporation. Intel, the Intel logo, Intel Inside logo, Intel Core and Core Inside are trademarks of Intel Corporation in the US and other countries. Other company, product, or service names may be trademarks or service marks of others.

ENERGY STAR: As an ENERGY STAR Partner, Lenovo has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Visit www.lenovo.com/safecomputing periodically for the latest information on safe and effective computing.

Visit www.lenovo.com/psref for the latest version of Personal Systems Reference.

© Lenovo, 2009.
All rights reserved.

Lenovo
1009 Think Place
Morrisville, NC 27560
U.S.A.

January 2009
3book.pdf