

ThinkPad® X301 (2776) - TopSeller

Personal Systems Reference (PSREF)

Type-model	Low Voltage proc-essor	GHz	Memory	Wide-screen display	Camera	Disk SATA GB ⁸	SSD/RPM	EIDE optical	Mini PCIe 802.11 wireless	Mini PCIe WWAN	Mini PCIe UWB or Turbo	Bat-tery Blue/ Fing cellsPreload	Avail date
2776-TMU	SU9400	1.40	4GB	13.3" WXGA+	Cam	128GB	SSD	DVD±RW	Intel 5100 ²⁸	AT&T ²³		Yes 6 Bus 32	Aug 08
2776-L9U	SU9400	1.40	2GB	13.3" WXGA+	Cam	64GB	SSD	DVD±RW	Intel 5100	WWAN upg		Yes 6 Bus 32	Aug 08
2776-LAU	SU9400	1.40	2GB	13.3" WXGA+	Cam	64GB	SSD	DVD±RW	Intel 5100	AT&T		Yes 6 Bus 32	Aug 08
2776-P4U	SU9400	1.40	2GB	13.3" WXGA+	Cam	64GB	SSD	DVD±RW	Intel 5100	WWAN upg		Yes 3 XP Pro	Sep 08
2776-P5U	SU9400	1.40	2GB	13.3" WXGA+	Cam	64GB	SSD	DVD±RW	Intel 5100	AT&T		Yes 6 XP Pro	Sep 08
2776-P6U	SU9400	1.40	4GB	13.3" WXGA+	Cam	128GB	SSD	DVD±RW	Intel 5100	AT&T		Yes 6 XP Pro	Sep 08
2776-V1U	SU9400	1.40	2GB	13.3" WXGA+	Cam	128GB	SSD	DVD±RW	Intel 5300 ²⁸	WWAN upg		Yes 6 Bus 32	Oct 08
2776-V2U	SU9400	1.40	2GB	13.3" WXGA+	Cam	128GB	SSD	DVD±RW	Intel 5300	WWAN upg		Yes 6 Bus 64	Nov 08
2776-TKU	SU9400	1.40	2GB	13.3" WXGA+	Cam	80GB	SSD	DVD±RW	Intel 5100	WWAN upg		Yes 3 Bus 32	Nov 08
2776-TLU	SU9400	1.40	2GB	13.3" WXGA+	Cam	80GB	SSD	DVD±RW	Intel 5100	AT&T		Yes 6 Bus 32	Nov 08
2776-H1U	SU9400	1.40	2GB	13.3" WXGA+	Cam	120GB	5400	DVD±RW	Intel 5100	WWAN upg	2G Turbo	Yes 6 Bus 32	Dec 08

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

Positioning Processor	<i>Thin and light; two spindles</i> Intel® Core™ 2 Duo processor SU9400 with ultra low voltage, dual-core , Intel HD Boost, 800MHz system bus, and 3MB L2 cache	Preloaded operating system²⁰ - <i>Some:</i> Microsoft® Windows® XP Professional with Vista® COA
Memory	2GB or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in 1 socket; 1 socket available	- <i>Some:</i> Microsoft Windows Vista Business Edition (32-bit) - <i>Some:</i> Microsoft Windows Vista Business Edition (64-bit) ◇ Vista Premium logo
Diskette drive	None (use optional USB-based diskette drive)	Preloaded applications¹⁴ (all OSes) <ul style="list-style-type: none"> • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ (not on model V2U) • ThinkVantage Productivity Center • ThinkVantage System Update • McAfee VirusScan® Plus with SiteAdvisor™ (30 days of virus definitions) • PC-Doctor™ (diagnostics) • ThinkPad Utilities (Power Manager and Presentation Director) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Windows Live Mail (model V2U) • Windows Live Messenger (model V2U) • Windows Live Photo Gallery (model V2U) • Fingerprint Software (fingerprint models) • Microsoft Office 2007 Trial (60-day) • Roxio® Creator® Business Edition • Roxio MyDVD® (DVD±RW)
EIDE DVD±RW	Ultrathin DVD burner, 7mm high, removable from Option Bay, tray-in	
Option Bay	Modular bay for devices (DVD burner, battery), 7mm high	
Serial ATA disk	<i>Some:</i> 64GB⁸ 80GB, or 128GB Solid State Drive (SSD) / SATA 3.0Gb/s <i>Some:</i> 120GB⁸ (5400 rpm) / SATA 1.5Gb/s, Active Protection System™ <i>All:</i> 1.8" wide, 8mm high, removable, upgradable, shock mounted storage	
Widescreen display	13.3" (338mm) WXGA+ (1440x900) TFT color , anti-glare, LED backlight , 300 nits, 16:10 aspect ratio, 250:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, USB 2.0	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GS45 External monitor support via analog VGA DB-15 connector or DisplayPort; <i>Maximum external resolution:</i> 2048x1536 @75Hz (VGA, DisplayPort)	
Keyboard	89-key, ThinkVantage button, spill-resistant, multimedia Fn keys, illuminated buttons (Power, ThinkVantage, Mute, and CapsLk)	
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar ¹³ , magnifying glass	
Touch pad	UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label	
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions	
Dimensions ³	<i>3-cell:</i> (WxDxH): 12.5" x 9.09" x 0.73-0.92"; 318mm x 231mm x 18.6-23.4mm <i>6-cell:</i> (WxDxH): 12.5" x 9.09" x 0.85-0.92"; 318mm x 231mm x 18.6-25.9mm <i>3-cell:</i> from 3.16 lb (1.43kg); <i>6-cell:</i> from 3.35 (1.52kg)	
Weight ²		
Case color	Black	
Case material	<i>Display cover:</i> Carbon-fiber reinforced plastic (top), glass-fiber reinforced plastic (side walls); <i>Base:</i> Magnesium alloy	
Battery - type	Lithium Polymer 3-cell or Lithium Ion 6-cell ; supports optional Option Bay 3-cell battery (for two batteries)	
Battery - life ¹⁰	<i>3-cell:</i> up to 3.4 hr; <i>6-cell:</i> up to 5.5 hr; <i>6-cell and Option Bay battery:</i> up to 9.5 hr	
Chipset	Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub); ICH9M-SFF-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), Marvell® SATA-to-EIDE bridge (for optical)	
ExpressCard	None	
Multicard reader	None	
Ports	Three USB 2.0, external monitor (VGA DB-15, DisplayPort), ethernet (RJ-45)	Supports ThinkVantage® technologies
Wireless antenna	UltraConnect™ II Antenna / on-off switch for all wireless radios	65-watt (GMA graphics) AC Adapter
Mini PCI Express	Three Mini PCI Express slots / 802.11 and WWAN are customer upgradable	Next Generation ThinkPad Roll Cage (in display cover)
Intel 5100 ²⁸	<i>Some:</i> 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)	EPEAT™ Gold rating
Intel 5300 ²⁸	<i>Some:</i> 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5300, 3x3 (Shirley Peak)	ENERGY STAR® 4.0-compliant
WWAN upg	<i>Some:</i> Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152)	RoHS-compliant
AT&T ²³	<i>Some:</i> Wireless WAN, Ericsson chipset, Mini PCIe adapter and SIM, GPRS/WCDMA/HSPA, GPS, service contract required with AT&T	International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378
Turbo Memory UWB	<i>Some:</i> Intel Turbo Memory, Half-Mini PCIe adapter, 2GB flash, disk-cache accelerator	
Modem	None (use optional USB-based modem)	ThinkPlus™.22 2-year LOR ²⁴ 9x5 NBD 41C9175
Bluetooth™	Bluetooth 2.0 wireless, USB 2.0 interface via ICH, LED indicator	ThinkPlus 3-year LOR 9x5 NBD 41C9176
Ethernet	Intel 82567LM Gigabit Network Connection (Boazman), PHY, PCIe x1	ThinkPlus 4-year LOR 9x5 NBD 41C9177
Intel AMT	None	ThinkPlus 5-year LOR 9x5 NBD 41C9179
Audio support	High Definition (HD) Audio, AD1984A codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, mic input jack, headphone jack	ThinkPlus 4-year P&L P/U Depot 41C9178
Security	Power-on password, hard disk password, supervisor password, security keyhole	ThinkPlus 5-year P&L P/U Depot 41C9180
Security chip	Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant	Post-warranty annual maintenance agreements at lenovo.com/thinkplus/warranty
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor, supports the security chip	
Limited warranty ¹²	3-years/1-yr battery - EasyServ™.19 depot repair service / service upgrades ²² available	
1GB PC3-8500 DDR3 SODIMM (TopSeller) 43R2045	X300 Li-Ion Battery 6-cell	43R1967
2GB PC3-8500 DDR3 SODIMM (TopSeller) 43R2046	90W Slim AC/DC Combo Adapter	41N8460
128GB SSD SATA 3.0Gb/s 1.8" (2.5" cover) 43N3406	ThinkPad Ultraportable Case	41U5062
USB 2.0 Portable Secure 320GB Hard Disk 43R2019	ThinkVision® L2440p Wide 24" Monitor	4420HB2
Other accessories on O-X300 sheet	Other accessories at lenovo.com/accessories	

See footnotes for important warranty information

◆ Intel Centrino® 2 with vPro™ technology

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Ⓢ US models announced Nov18, Nov 25, or December 2, 2008; previous models on Aug 26, Sep 2, or Oct 14, 2008

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