

ThinkPad L440 Platform Specifications

Product Specifications Reference (PSREF)

Positioning	Mainstream value performance; two spindles							WLAN ⁴	<p>One of the following, configurable by model:</p> <ul style="list-style-type: none"> ThinkPad 11b/g/n, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card Intel Wireless-N 7260, 2x2, Wi-Fi + BT combo adapter, M.2 card Intel Centrino[®] Advanced-N 6235, 2x2, Wi-Fi + BT combo adapter, M.2 card Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT combo adapter, M.2 card Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT combo adapter, M.2 card
Processor	Intel [®] Celeron [®] Processor or 4th Generation Intel Core™ i3 / i5 / i7 Processor							<p>WWAN (optional) One of the following, configurable by model (mutually exclusive with M.2 SSD):</p> <ul style="list-style-type: none"> Wireless WAN upgradable Wireless WAN, Sierra Wireless EM7355, Qualcomm[®] Gobi™ 4G LTE/HSPA+/EVDO/GSM/GPRS/EDGE, GPS, M.2 card (US models) Wireless WAN, Ericsson[®] N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card (WE models) Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card (WE models) 	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Speed		Processor Graphics
	Cel 2950M	2	4	2 GHz	-	2MB	DDR3L-1600		Intel HD Graphics
	i3-4000M			2.4 GHz	-	3MB			Intel HD Graphics 4600
	i3-4100M			2.5 GHz	-	3MB			
	i5-4200M			2.5 GHz	3.1 GHz	3MB			
	i5-4210M			2.6 GHz	3.2 GHz	3MB			
	i5-4300M			2.6 GHz	3.3 GHz	3MB			
	i5-4330M			2.8 GHz	3.5 GHz	3MB			
	i7-4600M	2.9 GHz	3.6 GHz	4MB					
	i7-4702MQ	4	8	2.2 GHz	3.2 GHz	6MB			
	i7-4712MQ			2.3 GHz	3.3 GHz	6MB			
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets							SIM card (optional)	<p>One of the following, configurable by model:</p> <ul style="list-style-type: none"> AT&T[®] or Verizon[®] LTE (4G), contract required with service provider (US models) Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required (WE models) User selectable, contract required with service provider
Optical Storage	DVD burner, 9.5mm high, fixed, not removable, tray-in Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ Some: SSHD with 8GB NAND flash memory Some: M.2 Solid State Drive (SSD), via M.2 card slot, exclusive with WWAN card							Bluetooth™ Ethernet	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter HM86 model: Intel Ethernet Connection I217-V (Clarkville) QM87 model: Intel Ethernet Connection I217-LM (Clarkville)
M.2 SSD								Security Security chip	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant
Widescreen display	Some: 14.0" (355mm) HD (1366x768) , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) HD+ (1600x900) , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 500:1 contrast ratio							vPro (optional)	Intel vPro Technology
Camera (optional)	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus							Fingerprint reader	Optional: Fingerprint reader on the keyboard bezel, swipe sensor
Graphics	Intel HD Graphics 4600 in processor, supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports dual independent display; Max resolution: 3840x2160@30Hz (DP via mDP cable); 1920x1200@60Hz (VGA)							Limited warranty ¹²	One of the following, configurable by model: <ul style="list-style-type: none"> 1-year depot repair service 3-year/1-yr battery depot repair service 3-year/1-yr battery limited onsite service²⁴ 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)
Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys TrackPoint [®] pointing device and Mylar surface touchpad, integrated five buttons, multi-touch							Preload	Windows [®] 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit or Windows 10 Pro 64 <ul style="list-style-type: none"> Lenovo Solution Center ThinkVantage Product Recovery Rescue and Recovery™ ThinkVantage System Update Lenovo Cloud Storage by SugarSync PC Device Stage Microsoft[®] Office preloaded; purchase a product key to activate Norton™ Internet Security (30 days of virus definitions) Cyberlink PowerDVD Cyberlink Power2Go Cyberlink PowerProducer
ThinkLight™	None								Some: Windows 8 / 8.1 64-bit Some: Windows 8 / 8.1 Pro 64-bit Some: Windows 10 Pro 64 <ul style="list-style-type: none"> Lenovo Solution Center Lenovo SHAREit Lenovo REACHit Lenovo Companion Microsoft Office preloaded; purchase a product key to activate Norton Internet Security (30 days of virus definitions, Win8 w/o i5/i7 model) McAfee[®] LiveSafe™ (30-day trial, Win8 i5/i7 and Win10 model)
Dimensions ³	14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm								
Weight ²	Models	6-cell 48Wh	6-cell 56Wh	9-cell 99.9Wh					
	Weight	4.96 lb / 2.25kg	5.0 lb / 2.27kg	5.36 lb / 2.43kg					
Case material	PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic								
Battery type	Li-Ion 6-cell (48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication								
Max battery life ¹⁰	Models	6-cell 48Wh	6-cell 56Wh	9-cell 99.9Wh					
	Win7 (MobileMark [®] 2007)	10 hr	11 hr	21 hr					
	Win8 (MobileMark 2012)	6.2 hr	7.5 hr	13 hr					
AC adapter	65-watt AC adapter								
Chipset	Mobile Intel QM87 (vPro model) or HM86 (Non-vPro model) Express Chipset							Mil-Spec test	MIL-STD-810G military certification
ExpressCard (opt)	One slot (ExpressCard/34, ExpressCard/54)							Environment	EPEAT™ Gold; ENERGY STAR [®] 6.0; RoHS-compliant
Smart card reader	Optional: Smart card reader								
Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)								
Ports	One Always On USB 3.0, three USB 2.0, VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector								
Audio support	HD Audio, Realtek [®] ALC3232 codec, Dolby [®] Advanced Audio™ v2 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack								