

# ThinkPad L440 Platform Specifications

Product Specifications Reference (PSREF)

Positioning	Mainstream value performance; two spindles							WLAN <sup>4</sup>	<ul style="list-style-type: none"> <li>One of the following, configurable by model: <ul style="list-style-type: none"> <li>ThinkPad 11b/g/n, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card</li> <li>Intel Wireless-N 7260, 2x2, Wi-Fi + BT combo adapter, M.2 card</li> <li>Intel Centrino<sup>®</sup> Advanced-N 6235, 2x2, Wi-Fi + BT combo adapter, M.2 card</li> <li>Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT combo adapter, M.2 card</li> <li>Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT combo adapter, M.2 card</li> </ul> </li> </ul>
Processor	Intel <sup>®</sup> Celeron <sup>®</sup> Processor or 4th Generation Intel Core™ i3 / i5 / i7 Processor							Intel HD Graphics           Intel HD Graphics 4600	WWAN (optional) One of the following, configurable by model (mutually exclusive with M.2 SSD): <ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Wireless WAN, Sierra Wireless EM7355, Qualcomm<sup>®</sup> Gobi™ 4G LTE/HSPA+/EVDO/GSM/GPRS/EDGE, GPS, M.2 card (US models)</li> <li>Wireless WAN, Ericsson<sup>®</sup> N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card (WE models)</li> <li>Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card (WE models)</li> </ul>
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Speed		
	Cel 2950M	2	4	2 GHz	-	2MB	DDR3L-1600		
	i3-4000M			2.4 GHz	-	3MB			
	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 <sup>7</sup> / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets								SIM card (optional) One of the following, configurable by model: <ul style="list-style-type: none"> <li>AT&amp;T<sup>®</sup> or Verizon<sup>®</sup> LTE (4G), contract required with service provider (US models)</li> <li>Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required (WE models)</li> <li>User selectable, contract required with service provider</li> </ul>
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 <sup>12</sup>	One of the following, configurable by model: <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service<sup>24</sup></li> <li>3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)</li> </ul>
Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys TrackPoint <sup>®</sup> pointing device and Mylar surface touchpad, integrated five buttons, multi-touch							Preload	Windows <sup>®</sup> 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"> <li>Lenovo Solution Center</li> <li>ThinkVantage Product Recovery</li> <li>Rescue and Recovery™</li> <li>ThinkVantage System Update</li> <li>Lenovo Cloud Storage by SugarSync</li> <li>PC Device Stage</li> <li>Microsoft<sup>®</sup> Office preloaded; purchase a product key to activate</li> <li>Norton™ Internet Security (30 days of virus definitions)</li> <li>Cyberlink PowerDVD</li> <li>Cyberlink Power2Go</li> <li>Cyberlink PowerProducer</li> </ul>
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"> <li>Lenovo Solution Center</li> <li>Lenovo SHAREit</li> <li>Lenovo REACHit</li> <li>Lenovo Companion</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Norton Internet Security (30 days of virus definitions, Win8 w/o i5/i7 model)</li> <li>McAfee<sup>®</sup> LiveSafe™ (30-day trial, Win8 i5/i7 and Win10 model)</li> </ul>
Dimensions <sup>3</sup>	14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm								
Weight <sup>2</sup>	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 <sup>10</sup>	Models	6-cell 48Wh		6-cell 56Wh		9-cell 99.9Wh			
	Win7 (MobileMark <sup>®</sup> 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 <sup>®</sup> 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 <sup>®</sup> ALC3232 codec, Dolby <sup>®</sup> Advanced Audio™ v2 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack								

<b>Model</b>	<b>20AT004W++</b>
Product	L440
Region	WE
Machine Type	20AT
TopSeller	TopSeller
Processor	i5-4210M (2C, 2.6 / 3.2GHz, 3MB, 1600MHz)
vPro	No
Graphics	Intel HD Graphics 4600
Chipset	Intel HM86
Memory	4GBx1
Display	14" HD+ (1600x900)
Storage	180GB SSD Opal
Optical	DVD±RW
WLAN &Bluetooth	Intel 7260 b/g/n + BT4.0
WWAN / M.2 SSD	WWAN upgradable
SIM Card	None
Smart Card Reader	None
ExpressCard	ExpressCard/54
Camera	720p
Backlit Keyboard	None
Fingerprint Reader	Fingerprint Reader
Battery Cells	6-cell (48Wh)
Power Adapter (watt)	65W
Preload	Windows 8.1 DG Windows 7 Pro 64
Base Warranty	1-year depot
Global	No
Ann Date (mm/yy)	09/14

