

ThinkPad L540 Platform Specifications

Product Specifications Reference (PSREF)

Positioning	Mainstream business performance; two spindles							Audio support	HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack
Processor	Intel® Celeron® Processor or 4th Generation Intel Core™ i3 / i5 / i7 Processor								
	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)	One of the following, configurable by model: <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 <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ <i>Some:</i> SSHD with 8GB NAND flash memory <i>Some:</i> 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 vPro (optional) Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Intel vPro Technology <i>Optional:</i> Fingerprint reader on the palm rest, swipe sensor
Widescreen display	<i>Some:</i> 15.6" (396mm) HD (1366x768) , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396mm) FHD (1920x1080) , anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 500:1 contrast ratio							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)
Camera (optional)	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus							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 <i>Some:</i> Windows 8 / 8.1 64-bit <i>Some:</i> Windows 8 / 8.1 Pro 64-bit <i>Some:</i> 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)
Graphics	Intel HD Graphics 4600 in processor, supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports dual independent display; <i>Max resolution:</i> 3840x2160@30Hz (DP via mDP cable); 1920x1200@60Hz (VGA)							Mil-Spec test	MIL-STD-810G military certification
Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch							Environment	EPEAT™ Gold; ENERGY STAR® 6.0; RoHS-compliant
ThinkLight™	None								
Dimensions ³	<i>HD (WxDxH):</i> 14.84" x 9.72" x 1.13-1.34"; 377mm x 247mm x 28.8-34.05mm <i>FHD (WxDxH):</i> 14.84" x 9.72" x 1.22-1.43"; 377mm x 247mm x 31.0-36.25mm								
Weight ²	<i>Models</i>	<i>6-cell 48Wh</i>		<i>6-cell 56Wh</i>		<i>9-cell 99.9Wh</i>			
	<i>HD</i>	5.54lb / 2.52kg		5.60lb / 2.54kg		5.95lb / 2.70kg			
	<i>FHD</i>	5.68lb / 2.58kg		5.73lb / 2.60kg		6.08lb / 2.76kg			
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	<i>Models</i>	<i>6-cell 48Wh</i>		<i>6-cell 56Wh</i>		<i>9-cell 99.9Wh</i>			
	<i>Win7 (MobileMark® 2007)</i>	9 hr		11 hr		19 hr			
	<i>Win8 (MobileMark 2012)</i>	6 hr		7 hr		12 hr			
AC adapter	65-watt AC adapter								
Chipset	Mobile Intel QM87 (vPro model) or HM86 (Non-vPro model) Express Chipset								
ExpressCard (opt)	One slot (ExpressCard/34, ExpressCard/54)								
Smart card reader	<i>Optional:</i> 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								

Model	20AU005Y++
Product	L540
Region	WE
Machine Type	20AU
TopSeller	No
Processor	i7-4600M (2C, 2.9 / 3.6GHz, 4MB, 1600MHz)
vPro	vPro
Graphics	Intel HD Graphics 4600
Chipset	Intel QM87
Memory	8GBx1
Display	15.6" FHD (1920x1080)
Storage	500GB 7200rpm
Optical	DVD±RW
WLAN &Bluetooth	Intel 7260 a/b/g/n + BT4.0
WWAN / M.2 SSD	WWAN upgradable
SIM Card	None
Smart Card Reader	None
ExpressCard	None
Camera	720p
Backlit Keyboard	None
Numeric Keypad	Numeric Keypad
Fingerprint Reader	Fingerprint Reader
Battery Cells	6-cell (56Wh)
Power Adapter (watt)	65W
Preload	Windows 8.1 DG Windows 7 Pro 64
Base Warranty	3-year depot
Global	Yes
Ann Date (mm/yy)	04/14

