

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								WLAN ⁴	One of the following, configurable by model: • 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 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 4600			
	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	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: • 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 chip vPro (optional)	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Intel vPro Technology	
Fingerprint reader	Optional: Fingerprint reader on the palm rest, swipe sensor								Limited warranty ¹²	One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service ²⁴ • 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)	
Widescreen display	Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 500:1 contrast ratio								Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit or Windows 10 Pro 64 • 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, Win8 w/o i5/i7 model) • McAfee® LiveSafe™ (30-day trial, Win8 i5/i7 and Win10 model) • Cyberlink PowerDVD • Cyberlink Power2Go • Cyberlink PowerProducer	
Camera (optional)	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus								Mil-Spec test	MIL-STD-810G military certification	
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)								Environment	EPEAT™ Gold; ENERGY STAR® 6.0; RoHS-compliant	
Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch										
ThinkLight™	None										
Dimensions ³	HD (WxDxH): 14.84" x 9.72" x 1.13-1.34"; 377mm x 247mm x 28.8-34.05mm FHD (WxDxH): 14.84" x 9.72" x 1.22-1.43"; 377mm x 247mm x 31.0-36.25mm										
Weight ²	Models	6-cell 48Wh		6-cell 56Wh		9-cell 99.9Wh					
	HD	5.54lb / 2.52kg		5.60lb / 2.54kg		5.95lb / 2.70kg					
	FHD	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	Models	6-cell 48Wh		6-cell 56Wh		9-cell 99.9Wh					
	Win7 (MobileMark® 2007)	9 hr		11 hr		19 hr					
	Win8 (MobileMark 2012)	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	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										

Model	20AV0070++
Product	L540
Region	WE
Machine Type	20AV
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	15.6" FHD (1920x1080)
Storage	192GB SSD
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
Numeric Keypad	Numeric Keypad
Fingerprint Reader	Fingerprint Reader
Battery Cells	6-cell (48Wh)
Power Adapter (watt)	65W
Preload	Windows 10 DG Windows 7 Pro 64
Base Warranty	1-year depot
Global	No
Ann Date (mm/yy)	08/15

