

# ThinkPad T540p Platform Specifications

Positioning	Premiere performance; two spindles			
Processor	4th Generation Intel® Core™ i3 / i5 / i7 Processor			
	Processor Number	# of Cores	# of Threads	Base Frequency
	i3-4000M			2.4 GHz
	i3-4100M			2.5 GHz
	i5-4200M			2.5 GHz
	i5-4210M	2	4	3.1 GHz
	i5-4300M			2.6 GHz
	i5-4330M			2.8 GHz
	i7-4600M			2.9 GHz
	i7-4700MQ			2.4 GHz
	i7-4710MQ			2.5 GHz
	i7-4800MQ	4	8	2.7 GHz
	i7-4900MQ			2.8 GHz
				3.8 GHz
				3.8 GHz
				3.8 GHz
Memory	16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets			
Optical Ultrabay	DVD burner, 9.5mm Ultrabay slim, removable One modular bay for removable devices (right side, cold swap), 9.5mm high, bottom access			
Storage	Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: Hard Disk Drive (HDD) / SATA 6.0Gb/s 2.5" wide, 7mm or 9.5mm high, Active Protection System™ All: removable, upgradeable, supports the second disk, Shock Mounted Some: M.2 Solid State Drive (SSD), via M.2 card slot, exclusive with WWAN card			
M.2 SSD	Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.5" (394mm) 3K (2880x1620), anti-glare, LED backlight, 350 nits, 16:9 aspect ratio, 1000:1 contrast ratio, IPS Camera (optional) HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus			
Widescreen display	Intel HD Graphics 4600 in processor only, or Intel HD Graphics 4600 in processor and NVIDIA GeForce® GT 730M, PCI Express® x8, 1GB memory, NVIDIA® Optimus™ technology; supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports three independent displays; Max resolution: 1920x1200@60Hz (VGA); 3840x2160@60Hz (DP via mDP cable)			
Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight TrackPoint™ pointing device and Mylar surface touchpad, integrated five buttons, multi-touch			
ThinkLight™	None			
Dimensions <sup>3</sup>	HD (WxDxH): 14.83" x 9.77" x 1.18-1.33"; 376.6mm x 248.1mm x 29.9-33.9mm FHD / 3K: 14.83" x 9.77" x 1.10-1.16"; 376.6mm x 248.1mm x 27.9-29.5mm			
Weight <sup>2</sup>	Models	6-cell	9-cell	
	Integrated	5.31 lb / 2.41kg	5.65 lb / 2.56kg	
	Optimus	5.43 lb / 2.46kg	5.80 lb / 2.63kg	
Case material	Glass-Fiber Reinforced Plastic			
Battery type	Li-Ion 6-cell (56Wh) or 9-cell (99.9Wh), HW Authentication			
Max battery life <sup>10</sup>	Models	6-cell	9-cell	
	Integrated	7 hr	12.5 hr	
	Optimus	6.2 hr	11 hr	
AC adapter	65-watt, 90-watt, or 135-watt AC adapter			
Audio support	HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack			
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter			
Ethernet NFC	Intel Ethernet Connection I217-LM (Clarkville) Optional: Near Field Communication			
Chipset ExpressCard Smart card reader Media reader Ports	Mobile Intel QM87 Express Chipset One slot (ExpressCard/34) Smart card reader Optional: Smart card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, two USB 2.0 (one Always On), VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector			
WLAN <sup>4</sup>	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 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			
WWAN (optional)	One of the following, configurable by model (mutually exclusive with M.2 SSD): • Wireless WAN upgradeable • 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)			
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			
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 Intel vPro Technology Fingerprint reader on the palm rest, swipe sensor			
Limited warranty <sup>12</sup>	One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service <sup>24</sup> • 3-year/1-yr battery limited onsite service <sup>24</sup> • 3-year/1-yr battery limited onsite service, OI (Onsite International Delivery)			
Preload	Windows® 7 Professional 64 preinstalled Some: Windows 8 / 8.1 64-bit through downgrade rights in Windows 8 / 8.1 Pro 64-bit or Windows 10 Pro 64 Some: Windows 10 Pro 64 • Lenovo Solution Center • ThinkVantage Product Recovery • Rescue and Recovery™ • ThinkVantage System Update • Lenovo Cloud Storage by SugarSync • PC Device Stage • Adobe® Reader® • 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)			
Mil-Spec test	MIL-STD-810G military certification			
Environment	EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant			