

ThinkPad T540p Platform Specifications

Product Specifications Reference (PSREF)

Positioning	Premiere performance; two spindles								Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Processor	4th Generation Intel® Core™ i3 / i5 / i7 Processor								Ethernet	Intel Ethernet Connection I217-LM (Clarkville)	
									NFC	Optional: Near Field Communication	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Speed	Processor Graphics	Chipset	Mobile Intel QM87 Express Chipset	
	i3-4000M	2	4	2.4 GHz	-	3MB	DDR3L-1600	Intel HD Graphics 4600	ExpressCard	One slot (ExpressCard/34)	
	i3-4100M			2.5 GHz	-	3MB			Smart card reader	Optional: Smart card reader	
	i5-4200M			2.5 GHz	3.1 GHz	3MB			Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)	
	i5-4210M			2.6 GHz	3.2 GHz	3MB			Ports	Two USB 3.0, two USB 2.0 (one Always On), VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector	
	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							
i7-4700MQ	2.4 GHz	3.4 GHz	6MB								
i7-4710MQ	2.5 GHz	3.5 GHz	6MB								
i7-4800MQ	2.7 GHz	3.7 GHz	6MB								
i7-4900MQ	2.8 GHz	3.8 GHz	8MB								
Memory	16GB max ⁷ / 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™										
M.2 SSD	All: removable, upgradable, supports the second disk, Shock Mounted Some: M.2 Solid State Drive (SSD), via M.2 card slot, exclusive with WWAN card										
Widescreen display	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										
Graphics	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 ³	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 ²	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 ¹⁰	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										
									WWAN (optional) One of the following, configurable by model (mutually exclusive with M.2 SSD):		
									• 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)		
									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 Power-on password, hard disk password, supervisor password, security keyhole		
									Security chip Trusted Platform Module, TCG 1.2-compliant		
									vPro (optional) 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)		
									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		
									• Adobe® Reader®		
									• Microsoft® Office preloaded; purchase a product key to activate		
									• Norton™ Internet Security (30 days of virus definitions)		
									• Cyberlink PowerDVD (DVD±RW)		
									• Cyberlink Power2Go (DVD±RW)		
									• Cyberlink PowerProducer (DVD±RW)		
									Mil-Spec test MIL-STD-810G military certification		
									Environment EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant		

Model	20BF0043++
Product	T540p
Region	WE
Machine Type	20BF
TopSeller	No
Processor	i5-4300M (2C, 2.6 / 3.3GHz, 3MB, 1600MHz)
vPro	vPro
Graphics	Intel HD Graphics 4600
Memory	8GBx1
Display	15.6" HD (1366x768)
Storage	128GB SSD
Optical	DVD±RW
WLAN &Bluetooth	Intel 7260 ac + BT4.0
WWAN / M.2 SSD	Ericsson N5321
SIM Card	Selectable
Smart Card Reader	Smart Card Reader
Express Card	ExpressCard/34
Camera	720p
Backlit Keyboard	Backlit Keyboard
Numeric Keypad	Numeric Keypad
Fingerprint Reader	None
NFC	None
Battery Cells	6-cell (56Wh)
Power Adapter (watt)	65W
Preload	Windows 8 Pro 64-bit
Base Warranty	3-year onsite, Onsite International Delivery
Global	No
Ann Date (mm/yy)	01/14

