

ThinkPad T470p Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i5 / i7 Processor								Dimensions	WxDxH (FHD): 13.35" x 9.25" x 0.94"; 339mm x 235mm x 24mm			
										Weight	WxDxH (WQHD): 13.35" x 9.25" x 0.96"; 339mm x 235mm x 24.4mm		
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics			Models	3-cell	6-cell
	i5-7300HQ	4	4	2.5 GHz	3.5 GHz	6MB	DDR4-2400	Intel HD Graphics 630			Integrated model	3.83 lb / 1.74 kg	4.16 lb / 1.89 kg
	i5-7440HQ			2.8 GHz	3.8 GHz	6MB					discrete model	4.01 lb / 1.82 kg	4.33 lb / 1.96 kg
i7-7700HQ	8		2.8 GHz	3.8 GHz	6MB								
i7-7820HQ			2.9 GHz	3.9 GHz	8MB								
Graphics	Intel HD Graphics 630 in processor only, or Intel HD Graphics 630 in processor and NVIDIA GeForce® 940MX, 2GB 2.5GHz GDDR5 memory; supports external digital monitor via HDMI or Mini DisplayPort; supports three independent displays; Max resolution: 4096x2304@60Hz (DisplayPort via Mini DisplayPort cable); 4096x2160@24Hz (HDMI)								Smart card reader	Optional: Smart card reader			
Chipset	Mobile Intel QM175 Chipset								Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)			
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Ports	Three USB 3.1 Gen 1 (USB 3.0, one Always On), HDMI 1.4b, Mini DisplayPort 1.2a, Ethernet (RJ-45), Dock connector			
Display	Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio, 160° viewing angle Some: 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle								Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter MiniDP to DP: Lenovo Mini-DisplayPort to DisplayPort Monitor Cable			
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)								Camera	HD720p resolution, fixed focus			
Storage	System has one HDD slot or one M.2 2280 slot exclusively for storage Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Active Protection System™ Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s Some: 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN								Audio support	HD Audio, Realtek ALC3268 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack			
Optical	None								Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight			
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)								UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad			
WLAN	One of the following, configurable by model: • Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card • Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card								Security	Power-on password, hard disk password, supervisor password, security keyhole			
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter * Intel 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS								Security chip vPro (optional)	Discrete TPM 2.0, TCG Certified Intel vPro Technology			
WWAN (optional)	One of the following, configurable by model: • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card								Fingerprint reader	Touch style match on chip fingerprint reader on the keyboard bezel			
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card								NFC	None			
									Battery	Li-Ion 3-cell (24Wh) or 6-cell (48Wh or 72Wh)			
									Max battery life	MobileMark® 2014: 12.85 hr			
									AC adapter	90W or 135W AC adapter			
									Preload	Some: Windows® 10 Home 64 Some: Windows 10 Pro 64 • Lenovo Companion • Lenovo Setting • Microsoft® Office preloaded; purchase a product key to activate			
									Limited warranty	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			
									Mil-Spec test	MIL-STD-810G military certification			
									Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant			