

ThinkPad T470p Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i5 / i7 Processor								Dimensions	FHD (WxDxH): 13.35" x 9.25" x 0.94"; 339mm x 235mm x 24mm			
										Weight	WQHD (WxDxH): 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			Magnesium case	3.83 lb / 1.74 kg	4.16 lb / 1.89 kg
	i5-7440HQ			2.8 GHz	3.8 GHz	6MB					PPS case	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	Intel SoC (System on Chip) platform								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	<i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio, 160° viewing angle <i>Some:</i> 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)	<i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter <i>MiniDP to DP:</i> 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	<i>System has one HDD slot or one M.2 2280 slot exclusively for storage</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Active Protection System™ <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s <i>Some:</i> 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage								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	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)								UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad			
WLAN	<i>One of the following, configurable by model:</i> • 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	Discrete TPM 2.0, TCG Certified			
WWAN (optional)	<i>One of the following, configurable by model:</i> • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card								vPro (optional)	Intel vPro Technology			
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card								Fingerprint reader	Touch style match on chip fingerprint reader on the keyboard bezel			
									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	<i>Some:</i> Windows® 10 Home 64 <i>Some:</i> Windows 10 Pro 64 • Lenovo Companion • Lenovo Setting • Microsoft® Office preloaded; purchase a product key to activate			
									Limited warranty	<i>One of the following, configurable by model:</i> • 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			