

ThinkPad T470 Platform Specifications

Processor 6th Generation Intel® Core™ i5 / i7 Processor or

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	DDR4-2133	Intel HD Graphics 520
i5-6300U			2.4 GHz	3.0 GHz	3MB		
i7-6500U			2.5 GHz	3.1 GHz	4MB		
i7-6600U			2.6 GHz	3.4 GHz	4MB		

7th Generation Intel Core i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620
i5-7200U			2.5 GHz	3.1 GHz	3MB		
i5-7300U			2.6 GHz	3.5 GHz	3MB		
i7-7500U			2.7 GHz	3.5 GHz	4MB		
i7-7600U			2.8 GHz	3.9 GHz	4MB		

* i7-6500U is NOT available in EMEA

Graphics Intel HD Graphics 520 or 620 in processor only, or Intel HD Graphics 620 in processor and NVIDIA GeForce® 940MX, 2GB 2.5GHz GDDR5 memory (discrete models are NOT available in EMEA); supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304 @60Hz (USB Type-C); 4096x2160 @24Hz (HDMI)

Chipset Intel SoC (System on Chip) platform
Memory 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets
* System clocks down for processors with lower memory controller

Display Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio
Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 or 500:1 contrast ratio
Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle

Multi-touch (opt) On-cell touch, supports 10-finger gesture (FHD IPS panel with PPS cover only)

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 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 and WiGig

Optical None

Ethernet Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)
vPro model: Intel Ethernet Connection I219-LM (Jacksonville)

WLAN One of the following, configurable by model (WiGig can coexist with WWAN):
• Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
• Intel Dual Band Wireless-AC 8260, 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
• Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card

Bluetooth™ Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS

WWAN (optional)	One of the following, configurable by model (WWAN can coexist with WiGig): <ul style="list-style-type: none">Wireless WAN upgradableIntegrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 cardIntegrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)					
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card					
Dimensions	WxDxH: 13.25" x 9.15" x 0.79"; 336.6mm x 232.5mm x 19.95mm					
Weight	Models	3-cell or 3 + 3-cell		6-cell or 3 + 6-cell		
	Magnesium	3.49 lb / 1.58 kg		3.92 lb / 1.78 kg		
	PPS	3.63 lb / 1.65 kg		4.35 lb / 1.85 kg		
Case color	Black					
Case material	Display cover: Magnesium Hybrid or PPS; Bottom: Glass-Fiber Reinforced Plastic					
Smart card reader	Optional: Smart card reader					
Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC), supports SD 3.0, UHS-I					
Ports	Three USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 2 / Thunderbolt 3 (w/ the function of Power Delivery and DP), HDMI 1.4b, Ethernet (RJ-45), Dock connector <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>					
WiGig dock (opt)	ThinkPad WiGig dock					
Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter					
Camera (optional)	720p: HD720p resolution, fixed focus IR & 720p: IR camera and HD720p camera (mutually exclusive with WiGig)					
Audio support	HD Audio, Realtek ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack					
Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight					
UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad					
Security	Power-on password, hard disk password, supervisor password, security keyhole					
Security chip	Discrete TPM 1.2 or 2.0, TCG Certified					
vPro (optional)	Intel vPro Technology					
Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the keyboard bezel					
NFC (optional)	Near Field Communication					
Internal battery	Optional: Integrated Li-Polymer 3-cell (24Wh)					
External battery	Li-Polymer 3-cell (24Wh) or Li-ion 6-cell (48Wh or 72Wh)					
Max battery life (MobileMark® 2014)	Models	3-cell	3 + 3-cell	6-cell 48Wh	6-cell 72Wh	3 + 6-cell 48Wh
	Integrated	6.9 hr	13.9 hr	13.9 hr	20.9 hr	20.9 hr
	Discrete	6.9 hr	13.9 hr	14.3 hr	21.6 hr	21.2 hr
	<i>* Battery life varies significantly with settings, usage, & other factors</i>					
AC adapter	45W or 65W slim tip AC adapter, 45W or 65W USB Type-C AC adapter					
Operating system	One of the following, configurable by model: <ul style="list-style-type: none">Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64Windows 10 Home 64Windows 10 Pro 64					
Limited warranty	One of the following, configurable by model: <ul style="list-style-type: none">1-year depot repair service1-year depot with 2-year system board repair service1-year limited onsite service3-year/1-yr battery depot repair service3-year/1-yr battery limited onsite service					
Mil-Spec test	MIL-STD-810G military testing					
Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant					

Note: The specifications above may not be available in all regions.