

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 WQHD (WxDxH): 13.35" x 9.25" x 0.96"; 339mm x 235mm x 24.4mm																																									
	<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>i5-7300HQ</td> <td rowspan="3">4</td> <td rowspan="3">4</td> <td>2.5 GHz</td> <td>3.5 GHz</td> <td>6MB</td> <td rowspan="3">DDR4-2400</td> <td rowspan="3">Intel HD Graphics 630</td> </tr> <tr> <td>i5-7440HQ</td> <td>2.8 GHz</td> <td>3.8 GHz</td> <td>6MB</td> </tr> <tr> <td>i7-7700HQ</td> <td>2.8 GHz</td> <td>3.8 GHz</td> <td>6MB</td> </tr> <tr> <td>i7-7820HQ</td> <td rowspan="2">8</td> <td rowspan="2">8</td> <td>2.9 GHz</td> <td>3.9 GHz</td> <td>8MB</td> <td></td> <td></td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	i5-7300HQ	4	4	2.5 GHz	3.5 GHz	6MB	DDR4-2400	Intel HD Graphics 630	i5-7440HQ	2.8 GHz	3.8 GHz	6MB	i7-7700HQ	2.8 GHz	3.8 GHz	6MB	i7-7820HQ	8	8	2.9 GHz	3.9 GHz	8MB			Weight	<table border="1"> <thead> <tr> <th>Models</th> <th>3-cell</th> <th>6-cell</th> </tr> </thead> <tbody> <tr> <td>Integrated model</td> <td>3.83 lb / 1.74 kg</td> <td>4.16 lb / 1.89 kg</td> </tr> <tr> <td>discrete model</td> <td>4.01 lb / 1.82 kg</td> <td>4.33 lb / 1.96 kg</td> </tr> </tbody> </table>	Models	3-cell	6-cell	Integrated model	3.83 lb / 1.74 kg	4.16 lb / 1.89 kg	discrete model	4.01 lb / 1.82 kg	4.33 lb / 1.96 kg
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																																					
i5-7300HQ	4	4	2.5 GHz	3.5 GHz	6MB	DDR4-2400	Intel HD Graphics 630																																					
i5-7440HQ			2.8 GHz	3.8 GHz	6MB																																							
i7-7700HQ			2.8 GHz	3.8 GHz	6MB																																							
i7-7820HQ	8	8	2.9 GHz	3.9 GHz	8MB																																							
Models			3-cell	6-cell																																								
Integrated model	3.83 lb / 1.74 kg	4.16 lb / 1.89 kg																																										
discrete model	4.01 lb / 1.82 kg	4.33 lb / 1.96 kg																																										
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)	Case color	Black																																									
Chipset	Mobile Intel QM175 Chipset	Case material	Display cover: PC/ABS plastic; Bottom: Magnesium alloy																																									
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets	Smart card reader	Optional: Smart card reader																																									
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	Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)																																									
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)	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																																									
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	Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter MiniDP to DP: Lenovo Mini-DisplayPort to DisplayPort Monitor Cable																																									
Optical	None	Camera	HD720p resolution, fixed focus																																									
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)	Audio support	HD Audio, Realtek ALC3268 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack																																									
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	Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad																																									
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	Power-on password, hard disk password, supervisor password, security keyhole																																									
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	Security chip vPro (optional)	Discrete TPM 2.0, TCG Certified																																									
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card	Fingerprint reader	Intel vPro Technology 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	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																																									