

# ThinkPad T470p Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i5 / i7 Processor							Dimensions <i>WxDxH (FHD):</i> 13.35" x 9.25" x 0.94"; 339mm x 235mm x 24mm <i>WxDxH (WQHD):</i> 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								
	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		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)							Weight <table border="1"> <tr> <td><i>Models</i></td> <td><i>3-cell</i></td> <td><i>6-cell</i></td> </tr> <tr> <td><i>Integrated model</i></td> <td>3.83 lb / 1.74 kg</td> <td>4.16 lb / 1.89 kg</td> </tr> <tr> <td><i>Discrete model</i></td> <td>4.01 lb / 1.82 kg</td> <td>4.33 lb / 1.96 kg</td> </tr> </table>	<i>Models</i>	<i>3-cell</i>	<i>6-cell</i>	<i>Integrated model</i>	3.83 lb / 1.74 kg	4.16 lb / 1.89 kg	<i>Discrete model</i>	4.01 lb / 1.82 kg	4.33 lb / 1.96 kg
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Chipset	Mobile Intel QM175 Chipset							Case color Black									
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets							Case material <i>Display cover:</i> PC/ABS plastic; <i>Bottom:</i> Magnesium alloy									
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							Smart card reader <i>Optional:</i> Smart card reader									
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)							Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC)									
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, mutually exclusive with WWAN							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									
Optical	None							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									
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)							Camera HD720p resolution, fixed focus									
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							Audio support HD Audio, Realtek ALC3268 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack									
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							Keyboard 6-row, spill-resistant, multimedia Fn keys, LED backlight UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad									
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							Security Power-on password, hard disk password, supervisor password, security keyhole									
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card							Security chip Discrete TPM 2.0, TCG Certified									
								vPro (optional) Intel vPro Technology									
								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 <i>MobileMark® 2014:</i> 12.85 hr									
								AC adapter 90W or 135W slim tip 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									