

ThinkPad T470p Platform Specifications

Product Specifications Reference (PSREF)

| | | | | | | | | | | | | |
|-------------------|--|------------|--------------|----------------|---------------------|-------|--------------|-----------------------|-------------------------------|--|-------------------|-------------------|
| Processor | 7th Generation Intel® Core™ i5 / i7 Processor | | | | | | | | Dimensions | <i>FHD (WxDxH):</i> 13.35" x 9.25" x 0.94"; 339mm x 235mm x 24mm | | |
| | | | | | | | | | | <i>WQHD (WxDxH):</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 | | <i>Models</i> | <i>3-cell</i> | <i>6-cell</i> |
| | i5-7300HQ | 4 | 4 | 2.5 GHz | 3.5 GHz | 6MB | DDR4-2400 | Intel HD Graphics 630 | | <i>Integrated model</i> | 3.83 lb / 1.74 kg | 4.16 lb / 1.89 kg |
| | i5-7440HQ | | | 2.8 GHz | 3.8 GHz | 6MB | | | | <i>discrete model</i> | 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) | | | | | | | | Case color | Black | | |
| | | | | | | | | | Case material | <i>Display cover:</i> PC/ABS plastic; <i>Bottom:</i> Magnesium alloy | | |
| Chipset | Mobile Intel QM175 Chipset | | | | | | | | Smart card reader | <i>Optional:</i> Smart card reader | | |
| Memory | 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets | | | | | | | | Media reader | 4-in-1 reader (MMC, SD, SDHC, SDXC) | | |
| 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 | | | | | | | | 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 | | |
| Multi-touch (opt) | On-cell touch, supports 10-finger gesture (FHD only) | | | | | | | | 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 | | |
| 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 | | | | | | | | Camera | HD720p resolution, fixed focus | | |
| Optical | None | | | | | | | | Audio support | HD Audio, Realtek ALC3268 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack | | |
| Ethernet | <i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville) | | | | | | | | Keyboard | 6-row, spill-resistant, multimedia Fn keys, LED backlight | | |
| 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 | | | | | | | | 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) | <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 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 | 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 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 | | |