

# ThinkPad T470s Platform Specifications

Product Specifications Reference (PSREF)

|                   |  |            |              |                |                     |       |              |                       |  |   |
|-------------------|--|------------|--------------|----------------|---------------------|-------|--------------|-----------------------|--|---|
| Processor         | 6th Generation Intel® Core™ i5 / i7 Processor  |            |              |                |                     |       |              |                       | Dimensions<br>Weight<br>Case color<br>Case material                                  | <i>WxDxH:</i> 13.03" x 8.93" x 0.67-0.74"; 331mm x 226.8mm x 16.9-18.8mm<br>Starting at 2.9 lb (1.32kg)<br>Black or Silver<br><i>Display cover:</i> CFRP Hybrid;<br><i>Bottom:</i> Magnesium  |
|                   | 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   |              |                       |  |   |
| i7-6600U          | 2.6 GHz  |            |              | 3.4 GHz        | 4MB                 |       |              |                       |  |   |
| Processor         | or 7th Generation Intel Core i5 / i7 Processor   |            |              |                |                     |       |              |                       | Smart card reader<br>Media reader<br>Ports   | <i>Optional:</i> Smart card reader<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Three USB 3.1 Gen 1 (USB 3.0, one Always On),<br>USB 3.1 Type-C Gen 2 / Thunderbolt 3 (w/ the function of Power Delivery and DP),<br>HDMI 1.4b, Ethernet (RJ-45), Dock connector<br><i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i> |
|                   | Processor Number   | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics    |  |   |
|                   | i5-7200U   | 2          | 4            | 2.5 GHz        | 3.1 GHz             | 3MB   | DDR4-2133    | Intel HD Graphics 620 |  |   |
|                   | 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                 |       |              |                       |  |   |
| Graphics          | Intel HD Graphics 520 or 620 in processor;<br>supports external digital monitor via HDMI or USB Type-C;<br>supports three independent displays;<br>Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)  |            |              |                |                     |       |              |                       | WiGig dock (opt)<br>Monitor cable (optional)   | ThinkPad WiGig dock, mutually exclusive with WWAN<br><i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter<br><i>USB-C to VGA:</i> Lenovo USB-C to VGA Adapter   |
| Chipset           | Intel SoC (System on Chip) platform  |            |              |                |                     |       |              |                       | Camera (optional)  | HD720p resolution, fixed focus<br>(models without camera are NOT available in EMEA)   |
| Memory            | 20GB or 24GB max <sup>7</sup> / 2400MHz DDR4, dual-channel capable,<br>4GB or 8GB memory soldered to systemboard, one DDR4 SO-DIMM socket<br><i>* System clocks down for processors with lower memory controller</i>   |            |              |                |                     |       |              |                       | Audio support  | HD Audio, Realtek® ALC3268 codec / stereo speakers, 1W x 2 /<br>dual array microphone, combo audio/microphone jack  |
| Display           | <i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS,<br>250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle<br><i>Some:</i> 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS,<br>300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle                                    |            |              |                |                     |       |              |                       | Keyboard<br>UltraNav™  | 6-row, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad   |
| Multi-touch (opt) | On-cell touch, supports 10-finger gesture, 250 nits (FHD only)   |            |              |                |                     |       |              |                       | Security<br>Security chip<br>vPro (optional)<br>Fingerprint reader<br>NFC (optional) | Power-on password, hard disk password, supervisor password, security keyhole<br>Discrete TPM 2.0, TCG Certified<br>Intel vPro Technology<br><i>Optional:</i> Touch style match on chip fingerprint reader on the palm rest<br>Near Field Communication  |
| Storage           | <i>One of the following, configurable by model:</i><br>• M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2)<br>• M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe)   |            |              |                |                     |       |              |                       | Internal battery<br>Max battery life   | Front Li-Polymer 3-cell (23Wh) and rear Li-ion 3-cell (26Wh), both Integrated<br><i>MobileMark® 2014:</i> up to 10.5 hr<br><i>* Battery life varies significantly with settings, usage, &amp; other factors</i>   |
| Optical           | None   |            |              |                |                     |       |              |                       | AC adapter   | 45W slim tip AC adapter, 45W or 65W USB Type-C AC adapter   |
| Ethernet          | <i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville)<br><i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)  |            |              |                |                     |       |              |                       | Preload  | Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64<br>• Lenovo Solution Center<br>• Lenovo PowerEngage<br>• ThinkVantage Product Recovery<br>• ThinkVantage System Update<br>• Adobe® Reader®<br>• Microsoft® Office preloaded;<br>purchase a product key to activate<br>• McAfee® LiveSafe™ (30-day trial)                      |
| WLAN              | <i>One of the following, configurable by model (WiGig is mutually exclusive with WWAN):</i><br>• Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card<br>• Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card<br>• Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card |            |              |                |                     |       |              |                       | Limited warranty   | <i>One of the following, configurable by model:</i><br>• 1-year depot repair service<br>• 3-year/1-yr battery depot repair service<br>• 3-year/1-yr battery limited onsite service  |
| Bluetooth™        | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br><i>* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS</i>  |            |              |                |                     |       |              |                       | Mil-Spec test  | MIL-STD-810G military certification   |
| WWAN (optional)   | <i>One of the following, configurable by model (mutually exclusive with WiGig):</i><br>• Wireless WAN upgradable<br>• Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card<br>• Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card                                  |            |              |                |                     |       |              |                       | Environment  | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant   |
| SIM card (opt)    |  |            |              |                |                     |       |              |                       |  |   |