

# 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 | WxDxH: 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>Display cover: CFRP Hybrid;<br>Bottom: Magnesium                                                                                                                                                                                                                                                                                                                                          |
|                   | Processor Number                                                                                                                                                                                                                                                                                                                          | # of Cores   | # of Threads   | Base Frequency      | Max Turbo Frequency | Cache        | Memory Types          | Processor Graphics    |                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                   | i5-6300U                                                                                                                                                                                                                                                                                                                                  | 2            | 4              | 2.4 GHz             | 3.0 GHz             | 3MB          | DDR4-2133             | Intel HD Graphics 520 |                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                   | i7-6600U                                                                                                                                                                                                                                                                                                                                  |              |                | 2.6 GHz             | 3.4 GHz             | 4MB          |                       |                       |                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                   | or 7th Generation Intel Core i5 / i7 Processor                                                                                                                                                                                                                                                                                            |              |                |                     |                     |              |                       |                       |                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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)                                                                                                                     |              |                |                     |                     |              |                       |                       | Smart card reader                                   | Optional: Smart card reader                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Chipset           | Intel SoC (System on Chip) platform                                                                                                                                                                                                                                                                                                       |              |                |                     |                     |              |                       |                       | Media reader                                        | 4-in-1 reader (MMC, SD, SDHC, SDXC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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>* System clocks down for processors with lower memory controller                                                                                                                             |              |                |                     |                     |              |                       |                       | Ports                                               | Three USB 3.1 Gen 1 (USB 3.0, one Always On),<br>USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45),<br>Dock connector                                                                                                                                                                                                                                                                                                                                                                            |
| Display           | Some: 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>Some: 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS,<br>300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle                                           |              |                |                     |                     |              |                       |                       | WiGig dock (opt)                                    | ThinkPad WiGig dock, mutually exclusive with WWAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Multi-touch (opt) | On-cell touch, supports 10-finger gesture, 250 nits (FHD only)                                                                                                                                                                                                                                                                            |              |                |                     |                     |              |                       |                       | Monitor cable (optional)                            | HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter<br>USB-C to VGA: Lenovo USB-C to VGA Adapter                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Storage           | Some: M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)<br>Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)<br>None                                                                                                                                                                                                         |              |                |                     |                     |              |                       |                       | Camera (optional)                                   | HD720p resolution, fixed focus (models without camera are unavailable in EMEA)                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Optical           |                                                                                                                                                                                                                                                                                                                                           |              |                |                     |                     |              |                       |                       | Audio support                                       | HD Audio, Realtek® ALC3268 codec / stereo speakers, 1W x 2 /<br>dual array microphone, combo audio/microphone jack                                                                                                                                                                                                                                                                                                                                                                                               |
| Ethernet          | Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)<br>vPro model: Intel Ethernet Connection I219-LM (Jacksonville)                                                                                                                                                                                                           |              |                |                     |                     |              |                       |                       | Keyboard                                            | 6-row, spill-resistant, multimedia Fn keys, optional LED backlight                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| WLAN              | One of the following, configurable by model (WiGig is mutually exclusive with WWAN):<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 |              |                |                     |                     |              |                       |                       | UltraNav™                                           | TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Bluetooth™        | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br>* Intel 8265ac / 18265ac 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 (mutually exclusive with WiGig):<br>• Wireless WAN upgradable<br>• Integrated Mobile Broadband 4G LTE-A,<br>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                               |              |                |                     |                     |              |                       |                       | Security chip vPro (optional)                       | Discrete TPM 2.0, TCG Certified<br>Intel vPro Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SIM card (opt)    |                                                                                                                                                                                                                                                                                                                                           |              |                |                     |                     |              |                       |                       | Fingerprint reader                                  | Optional: Touch style match on chip fingerprint reader on the palm rest                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                   |                                                                                                                                                                                                                                                                                                                                           |              |                |                     |                     |              |                       |                       | NFC (optional)                                      | Near Field Communication                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                   |                                                                                                                                                                                                                                                                                                                                           |              |                |                     |                     |              |                       |                       | Internal battery                                    | Front Li-Polymer 3-cell (23Wh) and rear Li-Ion 3-cell (26Wh), both Integrated                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                   |                                                                                                                                                                                                                                                                                                                                           |              |                |                     |                     |              |                       |                       | Max battery life                                    | MobileMark® 2014: up to 10.5 hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                   |                                                                                                                                                                                                                                                                                                                                           |              |                |                     |                     |              |                       |                       | AC adapter                                          | 45W AC adapter (slim tip), 45W or 65W USB Type-C AC adapter                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                   |                                                                                                                                                                                                                                                                                                                                           |              |                |                     |                     |              |                       |                       | 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; purchase a product key to activate<br>• McAfee® LiveSafe™ (30-day trial)<br>Some: Windows 10 Home 64<br>Some: Windows 10 Pro 64<br>• Lenovo Companion<br>• Lenovo Setting<br>• Microsoft Office preloaded; purchase a product key to activate |
|                   |                                                                                                                                                                                                                                                                                                                                           |              |                |                     |                     |              |                       |                       | Limited warranty                                    | One of the following, configurable by model:<br>• 1-year depot repair service<br>• 3-year/1-yr battery depot repair service<br>• 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                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

Lenovo  
July 2017

| Model              | 20HF0016++                            |
|--------------------|---------------------------------------|
| Product            | ThinkPad T470s                        |
| Region             | EMEA                                  |
| Machine Type       | 20HF                                  |
| TopSeller          | TopSeller                             |
| Processor          | Core i5-7200U (2C, 2.5 / 3.1GHz, 3MB) |
| vPro               | No                                    |
| Graphics           | Integrated Intel HD Graphics 620      |
| Memory             | 4GB Soldered + 4GB DIMM               |
| Display            | 14" FHD (1920x1080) IPS               |
| Multi-touch        | None                                  |
| Storage            | 256GB SSD M.2 PCIe NVMe Opal2         |
| Optical            | None                                  |
| WLAN + Bluetooth   | Intel 8265 ac, 2x2 + BT4.1            |
| WWAN               | Sierra EM7455                         |
| SIM Card           | Lenovo Connect                        |
| Smart Card Reader  | Smart Card Reader                     |
| Dock               | None                                  |
| Monitor Cable      | None                                  |
| Color              | Silver                                |
| Camera             | 720p                                  |
| Keyboard           | Backlit                               |
| Fingerprint Reader | Fingerprint Reader                    |
| NFC                | None                                  |
| TPM                | dTPM 2.0                              |
| Battery            | 3-cell (23Wh) + 3-cell (26Wh)         |
| Power Adapter      | 45W                                   |
| Operating System   | Windows 10 Pro 64                     |
| Warranty           | 3-year, Onsite                        |
| End of Support     | Mar 14, 2023                          |
| Ann Date (mm/yy)   | 02/17                                 |





