## ThinkPad T470 Platform Specifications

### Processor

<table>
<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>i5-6200U</td>
<td>2</td>
<td>4</td>
<td>2.3 GHz</td>
<td>2.8 GHz</td>
<td>3MB</td>
<td>DDR4-2133</td>
<td>Intel HD Graphics 520</td>
</tr>
<tr>
<td>i5-6300U</td>
<td>2</td>
<td>4</td>
<td>2.4 GHz</td>
<td>3.0 GHz</td>
<td>3MB</td>
<td>DDR4-2133</td>
<td>Intel HD Graphics 520</td>
</tr>
<tr>
<td>i7-6500U</td>
<td>2</td>
<td>4</td>
<td>2.6 GHz</td>
<td>3.9 GHz</td>
<td>4MB</td>
<td>DDR4-2133</td>
<td>Intel HD Graphics 520</td>
</tr>
<tr>
<td>i7-6700U</td>
<td>4</td>
<td>4</td>
<td>2.6 GHz</td>
<td>3.4 GHz</td>
<td>4MB</td>
<td>DDR4-2133</td>
<td>Intel HD Graphics 520</td>
</tr>
</tbody>
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6th Generation Intel® Core™ i5 / i7 Processor or

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<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>i3-7100U</td>
<td>2</td>
<td>4</td>
<td>2.4 GHz</td>
<td>-</td>
<td>3MB</td>
<td>DDR4-2133</td>
<td>Intel HD Graphics 620</td>
</tr>
<tr>
<td>i5-7200U</td>
<td>2</td>
<td>4</td>
<td>2.5 GHz</td>
<td>3.1 GHz</td>
<td>3MB</td>
<td>DDR4-2133</td>
<td>Intel HD Graphics 620</td>
</tr>
<tr>
<td>i7-7300U</td>
<td>2</td>
<td>4</td>
<td>2.5 GHz</td>
<td>3.5 GHz</td>
<td>4MB</td>
<td>DDR4-2133</td>
<td>Intel HD Graphics 620</td>
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<tr>
<td>i7-7500U</td>
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<td>4</td>
<td>2.7 GHz</td>
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<td>DDR4-2133</td>
<td>Intel HD Graphics 620</td>
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<tr>
<td>i7-7600U</td>
<td>4</td>
<td>4</td>
<td>2.8 GHz</td>
<td>3.9 GHz</td>
<td>4MB</td>
<td>DDR4-2133</td>
<td>Intel HD Graphics 620</td>
</tr>
</tbody>
</table>

7th Generation Intel Core i3 / i5 / i7 Processor

### Graphics

- Intel HD Graphics 520 or 620 in processor only, or
- Intel HD Graphics 620 in processor and NVIDIA GeForce® 940MX, 2GB 2.5GHz GDDR5 memory (discrete models are NOT available in EMEA);
- supports external digital monitor via HDMI or USB Type-C;
- supports three independent displays;
  - Max resolution: 4096x2304@60Hz (USB Type-C);
  - 4096x2160@24Hz (HDMI)

### Chipset

Intel SoC (System on Chip) platform

### Memory

32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets

* System clocks down for processors with lower memory controller

### Display

Some:
- 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio
- 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle

Some:
- 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle (optional)

Some:
- 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio (optional)

### 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 high, Active Protection System™
- SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxG8 SSD)
- M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s
- 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN and WiGig

### Optical

None

### Ethernet

Non-vPro model: Intel Ethernet Connection i219-LM (Jacksonville)

vPro model: Intel Ethernet Connection i219-V (Jacksonville)

### WLAN

One of the following, configurable by model (WiGig can coexist with WWAN):
- Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Dual Band Wireless-A/AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Dual Band Wireless-A/AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Intel Tri-Band Wireless-A/AC 18265, WiFi 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card

### Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS

### WWAN (optional)

One of the following, configurable by model (WWAN can coexist with WiGig):
- Wireless WAN upgradable
- Integrated Mobile Broadband 4G LTE-A
- Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card
- Integrated Mobile Broadband 4G LTE
- Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)

### SIM card (opt)

Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

### Dimensions

**Length**: 13.25" x 9.15" x 0.79"; 336.6mm x 232.5mm x 19.95mm

### Weight

Models: 3-cell or 3-cell + 3-cell Li-Polymer 3-cell (24Wh)

6-cell or 3-cell + 6-cell Li-Polymer 3-cell (24Wh) or Li-ion 6-cell (48Wh or 72Wh)

**Models**: 3-cell, 3-cell + 3-cell, 6-cell, 6-cell + 6-cell

**Max battery life (MobileMark® 2014)**

<table>
<thead>
<tr>
<th>Model</th>
<th>3-cell</th>
<th>3-cell + 3-cell</th>
<th>6-cell</th>
<th>6-cell + 6-cell</th>
<th>3-cell + 6-cell</th>
<th>6-cell + 6-cell</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery life</td>
<td>7.8 hr</td>
<td>13.9 hr</td>
<td>13.9 hr</td>
<td>20.9 hr</td>
<td>20.9 hr</td>
<td>27.1 hr</td>
</tr>
<tr>
<td>Discrete</td>
<td>6.9 hr</td>
<td>13.9 hr</td>
<td>13.9 hr</td>
<td>20.9 hr</td>
<td>20.9 hr</td>
<td>27.1 hr</td>
</tr>
<tr>
<td>Time Remaining</td>
<td>21.6 hr</td>
<td>21.2 hr</td>
<td>21.6 hr</td>
<td>21.2 hr</td>
<td>21.2 hr</td>
<td>21.2 hr</td>
</tr>
<tr>
<td>Total Capacity</td>
<td>3.63 lb/1.65 kg</td>
<td>3.92 lb/1.78 kg</td>
<td>4.35 lb/2.62 kg</td>
<td>4.35 lb/2.62 kg</td>
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</tr>
</tbody>
</table>

### AC adapter

* Battery life varies significantly with settings, usage, & other factors

### Operating system

One of the following, configurable by model:

* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
* Windows 10 Home 64
* Windows 10 Pro 64

### Limited warranty

One of the following, configurable by model:

- 1-year depot repair service
- 1-year depot with 2-year system board repair service
- 1-year limited onsite service
- 3-year/1-year battery depot repair service
- 3-year/1-year battery limited onsite service

### Mil-Spec test

- MIL-STD-810G military testing
- EPEAT® Gold (US only), ENERGY STAR® 6.1, RoHS-compliant

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Note: The specifications above may not be available in all regions.

February 2020