ThinkPad X270 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>Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>i3-6006U</td>
<td>2</td>
<td>4</td>
<td>2.0 GHz</td>
<td>-</td>
<td>3MB</td>
<td>DDR4-2133</td>
<td>Intel HD Graphics 520</td>
</tr>
<tr>
<td>i3-6100U</td>
<td>2</td>
<td>4</td>
<td>2.3 GHz</td>
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<td>DDR4-2133</td>
<td>Intel HD Graphics 520</td>
</tr>
<tr>
<td>i5-6200U</td>
<td>2</td>
<td>4</td>
<td>2.3 GHz</td>
<td>3.2 GHz</td>
<td>3MB</td>
<td>DDR4-2133</td>
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<tr>
<td>i5-6300U</td>
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<tr>
<td>i7-6500U</td>
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<td>4</td>
<td>2.5 GHz</td>
<td>3.1 GHz</td>
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<tr>
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<td>2</td>
<td>4</td>
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or 7th Generation Intel Core™ i3 / i5 / i7 Processor

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<td>i3-7100U</td>
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<td>4</td>
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<td>3MB</td>
<td>DDR4-2133</td>
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<tr>
<td>i5-7200U</td>
<td>2</td>
<td>4</td>
<td>2.5 GHz</td>
<td>3.1 GHz</td>
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<tr>
<td>i5-7300U</td>
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<td>4</td>
<td>2.6 GHz</td>
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<td>DDR4-2133</td>
<td>Intel HD Graphics 620</td>
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<td>2.7 GHz</td>
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<td>Intel HD Graphics 620</td>
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<td>i7-7600U</td>
<td>2</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>

**Graphics**

Intel HD Graphics 520 or 620 in processor;
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 4096x2160@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)

**Chipset Memory**

Intel SoC (System on Chip) platform;
16GB max / 2400MHz DDR4, one DDR4 SO-DIMM socket

**Display**

Some: 12.5” (317.5mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 170° viewing angle

**Multi-touch (opt)**

On-cell touch, supports 10-finger gesture (FHD only)

**Storage**

System has one HDD slot or one M.2 2280 slot exclusively for storage

**Optical**

None

**Ethernet**

Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)
vPro model: Intel Ethernet Connection I219-LM (Jacksonville)

**WLAN (optional)**

One of the following, configurable by model (WiGig is mutually exclusive with WWAN):
- Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT 4.1
- Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT 4.1
- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT 4.1
- Intel Tri-Band Wireless-AC 18265, WiGig 202.11ad + Wi-Fi 2x2 802.11ac + BT 4.1

**Bluetooth™ (opt)**

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

**WWAN (optional)**

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

**SIM card (opt)**

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

**WiGig dock (opt)**

ThinkPad WiGig dock, mutually exclusive with WWAN (US only)

**Monitor dock (optional)**

ThinkPad WiGig dock, mutually exclusive with WWAN (US only)

**Audio support**

HD Audio, Realtek ALC3268 codec / stereo speakers, 1.5W x 2 / optional dual array microphone, combo audio/microphone jack

**Dimensions**

WxDxH: 12.03” x 8.21” x 0.80”; 305.5mm x 208.5mm x 20.3mm

**Weight**

Models No + 3-cell 3-cell + 3-cell 3 + 6-cell

| Weight | 2.79 lb / 1.27 kg | 2.98 lb / 1.36 kg | 3.33 lb / 1.52 kg |

**磨Case color**

Black

**Case material**

Display cover: Glass-Fiber Reinforced Plastic;
Bottom: Glass-Fiber Reinforced Plastic

**Smart card reader**

Optional: Smart card reader

**Media reader**

4-in-1 reader (MMC, SD, SDHC, SDXC)

**Ports**

Two USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), HDMI 1.4b, Ethernet (RJ-45), Dock connector

**Connect (EMEA) SIM card**

EPEAT Gold (US only); ENERGY STAR® 6.1; RoHS-compliant

**Power-on password, hard disk password, supervisor password, security keyhole**

Intel vPro Technology

**Near Field Communication ( NFC (optional)***

Optional: Touch style match on chip fingerprint reader on the palm rest

**Battery life**

Max battery life (MobileMark® 2014)

<table>
<thead>
<tr>
<th>Model</th>
<th>No + 3-cell</th>
<th>3-cell + 3-cell</th>
<th>3-cell + 6-cell 48Wh</th>
<th>3-cell + 6-cell 72Wh</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery life</td>
<td>6.52 hr</td>
<td>13.04 hr</td>
<td>20.1 hr</td>
<td>26.9 hr</td>
</tr>
</tbody>
</table>

**AC adapter**

- Battery life varies significantly with settings, usage, & other factors
- 45W USB-C AC adapter
- 45W slim tip AC adapter
- 65W USB-C AC adapter
- 65W slim tip AC adapter

**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