ThinkPad X1 Carbon (4th Gen) 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>3.8 GHz</td>
<td>3MB</td>
<td>LPDDR3-1866</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>LPDDR3-1866</td>
<td>Intel HD Graphics 520</td>
</tr>
<tr>
<td>i7-6500U</td>
<td>2</td>
<td>4</td>
<td>2.5 GHz</td>
<td>3.1 GHz</td>
<td>4MB</td>
<td>LPDDR3-1866</td>
<td>Intel HD Graphics 520</td>
</tr>
<tr>
<td>i7-6600U</td>
<td>2</td>
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<td>4MB</td>
<td>LPDDR3-1866</td>
<td>Intel HD Graphics 520</td>
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Graphics

- Intel HD Graphics 520 in processor
- External digital monitor support via Mini DisplayPort or HDMI™; supports three independent displays
- Max resolution: 3840x2160 (Mini DisplayPort) @ 60Hz; 4096x2304 (HDMI) @ 24Hz
- WWAN
  - 3G (UMTS/HSPA/GSM), HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)
  - Wireless WAN, HUAWEI ME9065
  - WWAN 4G LTE Advanced/DC-HSPA+/HSPA+/UMTS/GNSS, M.2 card

Ethernet

- Gigabit Ethernet via optional Ethernet (RJ-45) adapter
- WiGig (by Intel Ethernet Connection I219-V (vPro) or I219-LM (Non-vPro))
- 11ac-BT, Intel Dual Band Wireless-Ac 8260, 2x2, M.2 card
- WiGig+4, 11ac+BT, Intel Tri-Band Wireless-Ac 18260, 2x2 WLAN, WiGig, M.2 card
- Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN (optional)

- WiFiGig dock (opt)
- WiGig dock, mutually exclusive with WWAN
- HDMI to VGA: Lenovo HDMI to VGA Monitor Cable
- mDP to VGA: Lenovo Mini DisplayPort to VGA Monitor Cable
- vPro Technology: Faster resume time, enhanced security, as well as anti-tampering measures
- Intel vPro Technology

Media reader

- MicroSD card reader, supports UHS-II microSD card

Ports

- Three USB 3.0 (one Always On), MiniDP, HDMI, Lenovo OneLink+ connector
- WiGig dock, mutually exclusive with WWAN
- HDM to VGA: Lenovo HDMI to VGA Monitor Cable
- mDP to VGA: Lenovo Mini DisplayPort to VGA Monitor Cable
- OneLink+ to RJ45: ThinkPad OneLink+ to RJ45 adapter

Camera

- HD270p resolution, low light sensitive, fixed focus
- HD Audio, Conexant™ CX11852 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack
- TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch

Audio support

- 6-row, spill-resistant, multimedia Fn keys, LED backlight
- Power-on password, hard disk password, supervisor password, security keyhole, reset switch
- Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset
- Intel vPro Technology

Security

- ThinkVantage System Update
- Rescue and Recovery
- ThinkVantage Product Recovery
- Lenovo Solution Center
- Windows 10 Pro 64
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded
- McAfee LiveSafe™ (30-day trial)
- McAfee LiveSafe™ (30-day trial)

Battery

- Integrated Lithium Polymer 4-cell (52Wh) RapidCharge battery
- Max battery life: 11 hr

AC adapter

- 45W AC adapter, 65W Slim AC adapter, or 65W AC adapter
- RapidCharge

AC adapter

<table>
<thead>
<tr>
<th>Charge to 80%</th>
<th>Not support</th>
<th>Not support</th>
<th>Not support</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 hr</td>
<td>1.0 hr</td>
<td>2.5 hr</td>
<td>2.5 hr</td>
</tr>
</tbody>
</table>

Preload

- Windows 7 Professional 64 preinstalled
- Windows 10 Pro 64
- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded
- McAfee® LiveSafe™ (30-day trial)
- McAfee® LiveSafe™ (30-day trial)

Limited warranty

- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

Mil-Spec test

- MIL-STD-810G military certification

Environment

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

Lenovo

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