ThinkPad X1 Carbon (5th Gen) Platform Specifications

**Processor**

<table>
<thead>
<tr>
<th>Processor Number</th>
<th>Cores</th>
<th>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>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>
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<tr>
<td>i7-6500U</td>
<td>2</td>
<td>4</td>
<td>2.5 GHz</td>
<td>3.1 GHz</td>
<td>3MB</td>
<td>LPDDR3-1866</td>
<td>Intel HD Graphics 520</td>
</tr>
<tr>
<td>i7-6600U</td>
<td>2</td>
<td>4</td>
<td>2.6 GHz</td>
<td>3.4 GHz</td>
<td>4MB</td>
<td>LPDDR3-1866</td>
<td>Intel HD Graphics 520</td>
</tr>
<tr>
<td>i5-7200U</td>
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<td>3.1 GHz</td>
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<td>Intel HD Graphics 620</td>
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<tr>
<td>i5-7300U</td>
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<td>3.5 GHz</td>
<td>3MB</td>
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<td>Intel HD Graphics 620</td>
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<tr>
<td>i7-7500U</td>
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<td>2.7 GHz</td>
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<td>Intel HD Graphics 620</td>
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<tr>
<td>i7-7600U</td>
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<td>4</td>
<td>2.8 GHz</td>
<td>3.9 GHz</td>
<td>4MB</td>
<td>LPDDR3-1866</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: 4096x2304 at 60Hz (USB Type-C); 4096x2160 at 24Hz (HDMI)
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**Chipset**

- Intel SoC (System on Chip) platform
- Intel HD Graphics 520 or 620 in processor

**Display**

- 14.0” (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS
- Max resolution: 4096x2304 at 60Hz (USB Type-C); 4096x2160 at 24Hz (HDMI)

**Multi-touch**

- None

**Storage**

- One of the following, configurable by model:
  - M.2 SSD / SATA 6.0Gb/s (e.g, xxxGb SSD M.2)
  - M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g, xxxGb SSD M.2 PCIe NVMe)

**Battery**

- Integrated Li-Polymer 3-cell (57Wh) RapidCharge battery
- *Battery life varies significantly with settings, usage, & other factors*

**Input/Output**

- Two USB 3.1 Gen 1 (USB 3.0, one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of Power Delivery and DisplayPort), HDMI 1.4b, Ethernet extension connector
- *Depending on many factors, actual data transfer speed may be lower than theoretical speed*
- *ThinkPad WiGig dock*
- *HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter*
- *USB-C to VGA: Lenovo USB-C to VGA Adapter*
- *USB-C to DP: Lenovo USB-C to DisplayPort Adapter*

**Security**

- Power-on password, hard disk password, supervisor password, security keyhole
- Discrete TPM 2.0, TCG Certified

**Optical**

- 6-row, spill-resistant, multimedia Fn keys, LED backlight
- TrackPoint® pointing device and buttonless Glass surface multi-touch touchpad

**Ethernet**

- Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro)
- Via bundled or optional ThinkPad Ethernet Extension Cable

**WLAN**

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

- Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EMT455)
- Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

**Dimensions/Weight**

- 12.74” x 8.55” x 0.63”; 323.5mm x 217.1mm x 15.95mm
- 2.49 lb / 1.13 kg

**Color**

- Black or Silver (silver is NOT available in EMEA)

**Display cover/Bottom**

- CFRP/GFRP hybrid
- Magnesium alloy hybrid

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**Preload**

- Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Home 64
- Lenovo Solution Center
- Lenovo PowerEngage
- ThinkVantage System Update
- Adobe® Reader DC
- Microsoft® Office preloaded: purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

**Limited warranty**

- One of the following, configurable by model:
  - 1-year depot repair service
  - 3-year/1-yr battery depot repair service
  - 3-year/1-yr battery limited onsite service

**Certifications**

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

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**Lenovo**

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