## ThinkPad X1 Carbon (6th Gen) Platform Specifications

### Processor

<table>
<thead>
<tr>
<th>Processor Number</th>
<th># of Cores</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>5-7300U</td>
<td>2</td>
<td>2.6 GHz</td>
<td>3.5 GHz</td>
<td>3MB</td>
<td>LPDDR3-1866</td>
<td>Intel HD Graphics 620</td>
</tr>
<tr>
<td>5-8250U</td>
<td>4</td>
<td>1.6 GHz</td>
<td>3.4 GHz</td>
<td>6MB</td>
<td>LPDDR3-2133</td>
<td>Intel UHD Graphics 620</td>
</tr>
</tbody>
</table>

### WWAN

- 4G LTE-A
- Mobile Broadband 4G LTE-A
- Integrated Mobile Broadband 4G LTE-A
- Nano-SIM card slot
- Optional Verizon LTE (US) SIM card

### Memory

- 8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets
- Intel SoC (System on Chip) platform

### Display

- One of the following, configurable by model:
  - 14.0" (355mm) HDR WQHD (2560x1440) with Dolby Vision™, glossy, 170° viewing angle
  - 14.0" (355mm) WQHD, anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle
  - 14.0" (355mm) HDR WQHD (2560x1440) with Dolby Vision™, glossy
  - 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle

### Storage

- M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe)
- M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2)

### Security

- Intel vPro Technology
- Discrete TPM 2.0, TCG Certified
- Power-on password, hard disk password, supervisor password, security keyhole
- Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology
- Security chip (optional)

### Optical

- None

### Ethernet

- Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Adapter Gen 2

### WLAN + Bluetooth

- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card
- * For non-WWAN model, it means the model is NOT WWAN upgradable

### SIM card

- Nano-SIM card slot, optional Verizon LTE (US) SIM card

### Audio

- HD Audio, Realtek ALC3286 codec / stereo speakers, 1W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack, Dolby® Atmos™ via headphones

### Camera

- IR camera and HD720p camera, fixed focus
- HD720p camera with ThinkShutter camera privacy, fixed focus
- One of the following, configurable by model:

### Keyboard

- 6-row, spill-resistant, multimedia Fn keys, LED backlight

### UltraNav™

- TrackPoint® pointing device and buttonless Glass surface multi-touch touchpad

### Camera (optional)

- One of the following, configurable by model:
  - HD720p camera with ThinkShutter camera privacy, fixed focus
  - HD camera and HD720p camera, fixed focus

### Audio support

- HD Audio, Realtek® ALC3286 codec / stereo speakers, 1W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack, Dolby® Atmos™ via headphones

### Battery

- Integrated Li-ion 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
- MobileMark® 2014: 19.3 hr
- AC adapter: 45W or 65W USB Type-C AC adapter

### Preload

- Windows® 10 Home 64 or Windows 10 Pro 64

### 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

### Product Specifications Reference (PSREF)

- Lenovo MobileMark® 2014

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