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

### Processor

<table>
<thead>
<tr>
<th>Processor Number</th>
<th># of Cores</th>
<th>Base Frequency (GHz)</th>
<th>Max Turbo Frequency (GHz)</th>
<th>Cache</th>
<th>Memory Types</th>
<th>Processor Graphics</th>
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<tbody>
<tr>
<td>i5-7300U</td>
<td>2</td>
<td>2.6</td>
<td>3.5</td>
<td>3MB</td>
<td>LPDDR3-1866</td>
<td>Intel HD Graphics 620</td>
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<tr>
<td>i5-8250U</td>
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<td>4.1</td>
<td>6MB</td>
<td>LPDDR3-2133</td>
<td>Intel UHD Graphics 620</td>
</tr>
</tbody>
</table>

or 8th Generation Intel Core i5 / i7 Processor

<table>
<thead>
<tr>
<th>Processor Number</th>
<th># of Cores</th>
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</tr>
</thead>
<tbody>
<tr>
<td>i5-8350U</td>
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<td>1.7</td>
<td>4.0</td>
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<td>8MB</td>
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</tbody>
</table>

### Graphics

- Intel HD Graphics 620 or Intel UHD Graphics 620 in processor;
- supports external digital monitor via HDMI or USB Type-C;
- supports three independent displays;
- Max resolution: 5120x2880@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)
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- Supports three independent displays;
- Max resolution: 5120x2880@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)

### Chipset

- Intel SoC (System on Chip) platform
- Media reader: MicroSD card reader, supports UHS-II
- Ports: Two USB 3.1 Gen 1 (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, nano-SIM card slot (WWAN models), headphone / microphone combo jack, microSD card reader, side docking connector, security keyhole
- * Depending on many factors, actual data transfer speed may be lower than theoretical speed
- Monitor cable: HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter
- Bundled Accy: Optional: ThinkPad Ethernet Extension Adapter Gen 2

### Memory

- 8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets
- * System clocks down for processors with lower memory controller
- 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
- Camera: One of the following, configurable by model:
  - HD720p camera with ThinkShutter camera privacy, fixed focus
  - IR camera and HD720p camera, fixed focus
- Security: Power-on password, hard disk password, supervisor password, security keyhole
- Security chip: Discrete TPM 2.0, TCG Certified
- Fingerprint reader: Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology
- NFC (optional): Near Field Communication
- Case color: Black or Silver (silver case is NOT available in EMEA)
- Cores: 4 / 8
- Threads: 8 / 16
- Product Specifications Reference (PSREF) Gen)
- Platform Specifications

### Display

- One of the following, configurable by model:
  - 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
  - 14.0" (355mm) QHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 72% gamut, 170° viewing angle
  - 14.0" (355mm) HDR WQHD (2560x1440) with Dolby Vision™, glossy, LED backlight, IPS, 500 nits, 16:9 aspect ratio, 1500:1 contrast ratio, 100% gamut, 170° viewing angle
- Multi-touch (opt): On-cell touch, supports 10-finger gesture (FHD only)
- 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)
- Bluetooth: Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card
- WWAN (optional): Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card

### Storage

- Battery: Integrated Li-ion 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
- Max battery life: 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
- MIL-Spec test: MIL-STD-810G military certification
- Environment: ENERGY STAR® 6.1; RoHS-compliant

**Lenovo**

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