### ThinkPad X1 Carbon (7th 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>i5-8265U</td>
<td>4</td>
<td>8</td>
<td>1.6 GHz</td>
<td>3.9 GHz</td>
<td>6MB</td>
<td>LPDDR3-2133</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>i5-8365U</td>
<td>4</td>
<td>8</td>
<td>1.6 GHz</td>
<td>4.1 GHz</td>
<td>6MB</td>
<td>LPDDR3-2133</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>7-8565U</td>
<td>4</td>
<td>8</td>
<td>1.8 GHz</td>
<td>4.6 GHz</td>
<td>8MB</td>
<td>LPDDR3-2133</td>
<td>Intel UHD Graphics</td>
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<td>Intel UHD Graphics</td>
</tr>
</tbody>
</table>

#### Graphics
- Intel UHD Graphics in processor; supports external digital monitor via HDMI or USB Type-C / Thunderbolt; supports three independent displays; Max resolution: 5K@60Hz (Thunderbolt); 4K@24Hz (HDMI)
- Intel UHD Graphics in processor; supports external digital monitor via HDMI or USB Type-C / Thunderbolt; supports three independent displays; Max resolution: 5K@60Hz (Thunderbolt); 4K@24Hz (HDMI)

#### Chipset
- Intel SoC (System on Chip) platform

#### Memory
- 8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets

#### Display
<table>
<thead>
<tr>
<th>Size</th>
<th>Resolution</th>
<th>Type</th>
<th>Brightness</th>
<th>Aspect Ratio</th>
<th>Contrast Ratio</th>
<th>Color Gamut</th>
<th>Viewing Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.0&quot;</td>
<td>FHD (1920x1080) Multi-touch</td>
<td>WVA Anti-reflection Anti-smudge</td>
<td>300 nits</td>
<td>16:9</td>
<td>700:1</td>
<td>72%</td>
<td>170°</td>
</tr>
<tr>
<td>14.0&quot;</td>
<td>FHD (1920x1080) Low Power</td>
<td>WVA Anti-glare</td>
<td>400 nits</td>
<td>16:9</td>
<td>800:1</td>
<td>72%</td>
<td>170°</td>
</tr>
<tr>
<td>14.0&quot;</td>
<td>FHD (1920x1080) ThinkPad Privacy Guard</td>
<td>WVA Anti-glare</td>
<td>400 nits</td>
<td>16:9</td>
<td>1000:1</td>
<td>72%</td>
<td>170°</td>
</tr>
<tr>
<td>14.0&quot;</td>
<td>QHD (2560x1440)</td>
<td>WVA Anti-glare</td>
<td>300 nits</td>
<td>16:9</td>
<td>700:1</td>
<td>72%</td>
<td>170°</td>
</tr>
<tr>
<td>14.0&quot;</td>
<td>UHD (3840x2160) HDR 400 Dolby Vision™</td>
<td>WVA Glossy</td>
<td>500 nits</td>
<td>16:9</td>
<td>1400:1</td>
<td>90%</td>
<td>170°</td>
</tr>
</tbody>
</table>

#### Multi-touch (opt)
- Capacitive-type multi-touch, supports 10-finger gesture (FHD only), anti-reflection (AR) / anti-smudge (AS) coating

#### Storage
- One of the following, configurable by model:
  - M.2 2280 SSD / SATA 6.0Gb/s
  - M.2 2280 SSD / PCIe NVMe 3.0 x 4
  - Intel Optane Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4

#### Optical
- None

#### Ethernet
- Native Intel Ethernet Connection i219-V (Non-vPro) or i219-LM (vPro) via optional ThinkPad Ethernet Extension Adapter Gen 2

#### WLAN + BT
- Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0

#### WWAN (optional)
- Wireless WAN upgradeable (special bid only)
- Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card
- Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card

#### SIM card (opt)
- Verizon LTE (US) SIM card
- Gemalto eSIM

#### Security
- Discrete TPM 2.0 with L3 Security Support (special bid only)
- Discrete TPM 2.0 TCG Certified
- Discrete TPM 2.0 with L3 Security Support (special bid only) * May be disabled in some region

#### Media reader
- None

#### 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, side docking connector, security keyhole

#### Monitor cable
- Optional: Lenovo HDMI to VGA Monitor Adapter

#### Bundled Accy
- Optional: ThinkPad Ethernet Extension Adapter Gen 2

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

#### Security chip
- Power-on password, hard disk password, supervisor password, security keyhole
- Firmware TPM 2.0 integrated in chipset
- Discrete TPM 2.0 TCG Certified
- Discrete TPM 2.0 with L3 Security Support (special bid only) * May be disabled in some region

#### Audio support
- HD Audio, Realtek ALC3286 codec /
- Dolby Atmos™ speaker system, 2W x 2, 0.8 x 2 / four 360° far-field microphones, headphone / microphone combo jack

#### Battery
- Integrated Li-Polymer 51Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
- Batteries vary significantly with hardware configurations, settings, usage, & other factors

#### Operating system
- Optional: Windows® 10 Home 64 or Windows 10 Pro 64

#### AC adapter
- 45W USB-C AC adapter
- 65W USB-C AC adapter
- 65W USB-C slim AC adapter

#### Note:
The specifications above may not be available in all regions and might change by regions.

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Lenovo
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