**ThinkPad X1 Extreme Gen 3 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>i5-10400H</td>
<td>4</td>
<td>8</td>
<td>2.6 GHz</td>
<td>4.6 GHz</td>
<td>8MB</td>
<td>DDR4-2933</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>i7-10750H</td>
<td>6</td>
<td>12</td>
<td>2.6 GHz</td>
<td>5.0 GHz</td>
<td>12MB</td>
<td>DDR4-2933</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>i7-10850H</td>
<td>8</td>
<td>16</td>
<td>2.7 GHz</td>
<td>5.1 GHz</td>
<td>12MB</td>
<td>DDR4-2933</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>i9-10885H</td>
<td>8</td>
<td>16</td>
<td>2.4 GHz</td>
<td>5.3 GHz</td>
<td>16MB</td>
<td>DDR4-2933</td>
<td>Intel UHD Graphics</td>
</tr>
</tbody>
</table>

**Graphics**

Intel UHD Graphics in processor only or

Intel UHD Graphics in processor and NVIDIA® GeForce™ GTX 1650 Ti Max-Q, 4GB GDDR6 memory;
supports up to 4 independent displays via native display and 3 external monitors;
supports external monitors via HDMI (up to 4K@60Hz) or Thunderbolt™ (up to 5K@60Hz for hybrid model / 4K@60Hz for integrated model)

**Chipset**

Mobile Intel WM490 Chipset

**Memory**

64GB max / 2933MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets

* Installed memory is actually 3200MHz but run at 2933MHz due to Intel limitation

**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>15.6&quot; FHD</td>
<td>IPS</td>
<td>Anti-glare</td>
<td>300 nits</td>
<td>16:9</td>
<td>700:1</td>
<td>72% NTSC</td>
<td>170°</td>
</tr>
<tr>
<td>15.6&quot; FHD</td>
<td>IPS</td>
<td>Anti-glare</td>
<td>500 nits</td>
<td>16:9</td>
<td>800:1</td>
<td>72% NTSC</td>
<td>170°</td>
</tr>
<tr>
<td>15.6&quot; UHD</td>
<td>IPS</td>
<td>Anti-glare</td>
<td>600 nits</td>
<td>16:9</td>
<td>1400:1</td>
<td>100% Adobe</td>
<td>178°</td>
</tr>
<tr>
<td>15.6&quot; UHD</td>
<td>OLED, AR, AS</td>
<td>Anti-glare</td>
<td>400 nits</td>
<td>16:9</td>
<td>10000:1</td>
<td>100% Adobe</td>
<td>170°</td>
</tr>
</tbody>
</table>

**Multi-touch (opt) Pen (optional)**

Capacitive-type multi-touch, supports 10-finger gesture, anti-reflection (AR), anti-smudge (AS) coating

- Pen upgradable (pen needs to be purchased separately)
- Not support (non-touch display doesn’t support pen input)

**Storage**

Up to two M.2 SSD

M.2 2280 SSD / PCIe NVMe 3.0 x 4

**Ethernet**

Gigabit Ethernet connection via optional Lenovo USB-C to Ethernet Adapter

**WLAN + Bluetooth™**

Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth™ 5.1

* Intel Wi-Fi 6 full features might be limited by country level restrictions
* Bluetooth is supported on Windows 10 version 2004 or above (limited to Bluetooth 5.0 on earlier version)

**WWAN (optional)**

Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card

* For non-WWAN model, it means the model is NOT WWAN upgradable

**Sim card**

None

**Dimensions**

WxDxH (non-touch): 14.24" x 9.67" x 0.72"; Weight: 361.8mm x 245.7mm x 18.4mm

WxDxH (multi-touch): 14.24" x 9.67" x 0.74"; Weight: 361.8mm x 245.7mm x 18.7mm

**Battery**

Integrated Li-Polymer 80Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 135W AC adapter

**Max battery life**

MobileMark® 2014: 11.8 hr

**Operating system**

Optional: Windows® 10 Home 64 or Windows 10 Pro 64

**Limited warranty (optional)**

- 1-year depot repair service
- 1-year depot with 2-year system board repair service
- 1-year limited onsite service
- 1-year + 2-year limited onsite repair service
- 1-year + 2-year limited onsite service
- 3-year + 1-year battery depot repair service
- 3-year + 1-year battery limited onsite service

**Mil-Spec test**

MIL-STD-810G military testing

**Environment**

EPEAT® Gold; ENERGY STAR® 8.0; TCO Certified, RoHS-compliant

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

Lenovo October 2020