**ThinkPad X1 Carbon (5th Gen) Platform Specifications**

<table>
<thead>
<tr>
<th>Processor</th>
<th>6th Generation Intel® Core™ i5 / i7 Processor (IMEA has only i5-6300U and i7-6600U)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor Number</td>
<td>Base Frequency</td>
</tr>
<tr>
<td>i5-6200U</td>
<td>2.3 GHz</td>
</tr>
<tr>
<td>i5-6300U</td>
<td>2.4 GHz</td>
</tr>
<tr>
<td>i7-6500U</td>
<td>2.5 GHz</td>
</tr>
<tr>
<td>i7-6600U</td>
<td>2.6 GHz</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@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)

**Chipset**
- Intel SoC (System on Chip) platform
- 8GB or 16GB / 1866MHz LPDDR3 / soldered to systemboard, no sockets

**Memory**
- 8GB or 16GB / 1866MHz LPDDR3 / soldered to systemboard, no sockets

**Display**
- Some: 14.0” (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle
- Some: 14.0” (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle

**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)

**Optical**
- None

**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

**Bluetooth™**
- * 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 EM7455)
- Micro-SIM card slot, opt Verizon LTE (US) or Lenovo™ Connect (IMEA) SIM card

**Dimensions / Weight**
- WxDxH: 12.74” x 8.55” x 0.63”; 323.5mm x 217.1mm x 15.95mm
- Starting at 2.49 lb / 1.13 kg

**Color / Material**
- Black or Silver (silver is NOT available in EMEA)
- CFFRP/GFRP hybrid;
  - Bottom: magnesium alloy hybrid

**Smart card reader**
- None

**Media reader**
- MicroSD card reader, supports UHS-II microSD card

**Ports**
- 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

**WiGig dock (optional)**
- * Depending on many factors, actual data transfer speed may be lower than theoretical speed

**Monitor cable (optional)**
- ThinkPad WiGig dock

**Audio**
- HD Audio, Conexant® CX11871 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack

**Battery**
- Integrated Li-Polymer 3-cell (57Wh) RapidCharge battery
- MobileMark® 2014: 15.5 hr
  - * Battery life varies significantly with settings, usage, & other factors
  - 45W or 65W USB Type-C AC adapter

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

**Backup AC adapter**
- RapidCharge
  - Charge to 80%: Not support
  - Charge to 100%: Not support
  - Charge to 100%: 2.5 hr

**Preload**
- Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Home 64
- Some: Windows 10 Home 64
- Lenovo Companion
- Lenovo Setting
- Lenovo Solution Center
- Microsoft Office preloaded:
  - purchase a product key to activate

**Limited warranty**
- One of the following, configurable by model:
  - 1-year depot repair 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

**EPEAT® Gold (US only); ENERGY STAR® 6.1; RoHS-compliant**

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**Lenovo**

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