### ThinkPad X1 Carbon (3rd Gen) Platform Specifications

<table>
<thead>
<tr>
<th>Processor</th>
<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>5-5200U</td>
<td>5-5200U</td>
<td>2</td>
<td>4</td>
<td>2.2 GHz</td>
<td>2.7 GHz</td>
<td>3MB</td>
<td>DDR3L-1600</td>
<td>Intel HD Graphics 5500</td>
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<td>5-5300U</td>
<td>5-5300U</td>
<td>2</td>
<td>4</td>
<td>2.3 GHz</td>
<td>2.9 GHz</td>
<td>3MB</td>
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<td></td>
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<td>4MB</td>
<td>DDR3L-1600</td>
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</tr>
</tbody>
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### Graphics
- Intel HD Graphics 5500 in processor,
- external digital monitor support via Mini DisplayPort or HDMI™ (supports VGA analog monitor via Mini DisplayPort to VGA Monitor Cable);
- supports three independent displays;
- Max resolution: 3840x2160 (Mini DisplayPort) @60Hz; 4096x2304 (HDMI) @24Hz

### Chipset
- Intel SoC (System on Chip) platform
- 4GB, 8GB, or 16GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no sockets

### Display
- Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 400:1 contrast ratio
- Some: 14.0" (355mm) QHD (2560x1440), anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS, 170° viewing angle
  - Capacitive-type multi-touch, supports 10-finger gesture, 270 nits

### Storage
- Optical: M.2 SSD / PCIe 2.0 x4 or SATA (e.g. xxxS SSD PCIe or xxxG SSD)

### Ethernet
- Bluetooth™: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

### WLAN
- One of the following, configurable by model:
  - 11b/g/n, Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card
  - 11a/b/g/n, Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT adapter, M.2 card
  - 11ac, Intel Dual Band Wireless-Ac 7265, 2x2, Wi-Fi + BT adapter, M.2 card

### WWAN (optional)
- One of the following, configurable by model:
  - Wireless WAN upgradable
  - Wireless WAN, Ericsson® N5321
  - HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card
  - Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card

### SIM card (optional)
- AT&T™ or Verizon® LTE (4G), contract required with service provider

### Dimensions
- **WHHD (WxDxH):** 13.03" x 8.92" x 0.70"; 331.0mm x 226.5mm x 17.72mm
- **WHQD Touch (WxDxH):** 13.03" x 8.94" x 0.73"; 331.0mm x 227.1mm x 18.46mm

### Weight
- **Models:** FHD, WHQD
- **Weight:** 2.996 lb / 1.359 kg, 2.877 lb / 1.305 kg, 3.175 lb / 1.44 kg

### Case material
- **Display cover:** Carbon-Fiber Reinforced Plastic + Glass-Fiber Reinforced Plastic
- **Bottom:** Magnesium/Aluminum

### 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
  - 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

### Environment
- EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant

### Media reader
- None

### Ports
- Two USB 3.0 (one Always On), Mini DisplayPort, HDMI, Ethernet extension connector, Lenovo OneLink connector

### Camera
- HD720p resolution, low light sensitive, fixed focus, gesture input

### Audio support
- HD Audio, Realtek® ALC3232 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack

### Security chip
- Intel vPro Technology
- Fingerprint reader on the keyboard bezel, swipe sensor
- Trusted Platform Module, TCG 1.2-compliant
- Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures

### Battery type
- Integrated Lithium Polymer 8-cell (50Wh) RapidCharge battery

### Preload
- Windows® 7 Professional 64 preinstalled
- Through downgrades to Windows 8.1 Pro 64-bit or Windows 10 Pro 64
- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- PC Device Stage
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate Norton Internet Security
- Norton LiveSafe™ (30-day trial, purchase a product key to activate)

### Warranty information
- 12 months international warranty
- 1-year depot repair service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

### Bluetooth™️
- Wi-Fi + Bluetooth combo adapter

### AC adapter
- RapidCharge
- 45W AC adapter, 65W Slim AC adapter, or 65W AC adapter

### Boot loader
- Windows® Boot Manager
- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo REACHit
- Lenovo Companion
- Microsoft Office preloaded; purchase a product key to activate
- Norton Internet Security
- (30 days of virus definitions, Win8 i5/i7 and Win10 model)

### Software applications
- LiveSafe™️ (30-day trial, purchase a product key to activate)
- Norton Internet Security
- McAfee® LiveSafe™️
- Adobe® Reader®️
- Microsoft® Office preloaded; purchase a product key to activate
- Norton Internet Security
- (30 days of virus definitions, Win8 i5/i7 and Win10 model)