

ThinkPad X1 Carbon (4th Gen) Platform Specifications

Product Specifications Reference (PSREF)

| Processor | 6th Generation Intel® Core™ i5 / i7 Processor | | | | | | | | Media reader Ports WiGig dock (opt) Adapter (optional) | MicroSD card reader, supports UHS-II microSD card Three USB 3.0 (one Always On), MiniDP, HDMI, Lenovo OneLink+ connector WiGig dock, mutually exclusive with WWAN HDMI-VGA: Lenovo HDMI to VGA Monitor Cable mDP-VGA: Lenovo Mini DisplayPort to VGA Monitor Cable RJ45: ThinkPad OneLink+ to RJ45 adapter VGA/RJ45: ThinkPad OneLink+ to VGA/RJ45 adapter | | | | | | | | | | | | |
|---|--|------------|--------------|----------------|---------------------|-------|--------------|-----------------------|---|--|------------|-----|----------|-----|---------------|-------------|--------|--------|----------------|-------------|--------|--------|
| | Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics | | | | | | | | | | | | | | |
| | i5-6200U | 2 | 4 | 2.3 GHz | 2.8 GHz | 3MB | LPDDR3-1866 | Intel HD graphics 520 | | | | | | | | | | | | | | |
| | i5-6300U | | | 2.4 GHz | 3.0 GHz | 3MB | | | | | | | | | | | | | | | | |
| | i7-6500U | | | 2.5 GHz | 3.1 GHz | 4MB | | | | | | | | | | | | | | | | |
| i7-6600U | 2.6 GHz | | | 3.4 GHz | 4MB | | | | | | | | | | | | | | | | | |
| Graphics | Intel HD Graphics 520 in processor, external digital monitor support via Mini DisplayPort or HDMI™; supports three independent displays; Max resolution: 3840x2160 (Mini DisplayPort) @60Hz; 4096x2304 (HDMI) @24Hz | | | | | | | | Camera Audio support | HD720p resolution, low light sensitive, fixed focus HD Audio, Conexant® CX11852 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack | | | | | | | | | | | | |
| Chipset Memory | Intel SoC (System on Chip) platform 4GB, 8GB, or 16GB / 1866MHz LPDDR3 / soldered to systemboard, no sockets | | | | | | | | Keyboard UltraNav™ | 6-row, spill-resistant, multimedia Fn keys, LED backlight TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch | | | | | | | | | | | | |
| 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, 72% gamut, 170° viewing angle | | | | | | | | Security | Power-on password, hard disk password, supervisor password, security keyhole, reset switch | | | | | | | | | | | | |
| Multi-touch Hinge | None Normal hinge, 180 degree | | | | | | | | Security chip ThinkEngine | 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 | | | | | | | | | | | | |
| Storage | Some: M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe) | | | | | | | | vPro (optional) Fingerprint reader | Intel vPro Technology Touch style fingerprint reader on the palm rest | | | | | | | | | | | | |
| Optical | None | | | | | | | | Battery Max battery life ¹⁰ AC adapter RapidCharge | Integrated Lithium Polymer 4-cell (52Wh) RapidCharge battery MobileMark® 2014: 11 hr 45W AC adapter, 65W Slim AC adapter, or 65W AC adapter | | | | | | | | | | | | |
| Ethernet | Gigabit Ethernet via optional Ethernet (RJ-45) adapter (by native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro)) | | | | | | | | <table border="1"> <thead> <tr> <th>AC adapter</th> <th>45W</th> <th>65W Slim</th> <th>65W</th> </tr> </thead> <tbody> <tr> <td>Charge to 80%</td> <td>Not support</td> <td>1.0 hr</td> <td>1.0 hr</td> </tr> <tr> <td>Charge to 100%</td> <td>Not support</td> <td>2.5 hr</td> <td>2.5 hr</td> </tr> </tbody> </table> | | AC adapter | 45W | 65W Slim | 65W | Charge to 80% | Not support | 1.0 hr | 1.0 hr | Charge to 100% | Not support | 2.5 hr | 2.5 hr |
| AC adapter | 45W | 65W Slim | 65W | | | | | | | | | | | | | | | | | | | |
| Charge to 80% | Not support | 1.0 hr | 1.0 hr | | | | | | | | | | | | | | | | | | | |
| Charge to 100% | Not support | 2.5 hr | 2.5 hr | | | | | | | | | | | | | | | | | | | |
| WLAN ⁴ | One of the following, configurable by model (WiGig is mutually exclusive with WWAN): • 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card • WiGig™+11ac+BT, Intel Tri-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 card | | | | | | | | Preload | Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 Windows 10 Pro 64 • Lenovo Solution Center • Lenovo Companion • Lenovo Setting • Microsoft Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial) | | | | | | | | | | | | |
| Bluetooth™ | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter | | | | | | | | | | | | | | | | | | | | | |
| WWAN (optional) | One of the following, configurable by model (mutually exclusive with WiGig): • Wireless WAN upgradable • Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card • Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only) | | | | | | | | | | | | | | | | | | | | | |
| SIM card (opt) | Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card | | | | | | | | Limited warranty ¹² | 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 ²⁴ • 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery) | | | | | | | | | | | | |
| Dimensions ³ Weight ² Case material | WxDxH: 13.11" x 9.02" x 0.59-0.65"; 333.0mm x 229.0mm x 14.95-16.45mm from 2.579 lb / 1.17 kg Display cover: Carbon-Fiber Reinforced Plastic; Bottom: Super magnesium | | | | | | | | | | | | | | | | | | | | | |
| Mil-Spec test | MIL-STD-810G military certification | | | | | | | | | | | | | | | | | | | | | |
| Environment | EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant | | | | | | | | | | | | | | | | | | | | | |

| Model | 20FB002X++ |
|----------------------|---|
| Product | ThinkPad X1 Carbon (4th Gen) |
| Region | WE |
| Machine Type | 20FB |
| TopSeller | TopSeller |
| Processor | i5-6200U (2C, 2.3 / 2.8GHz, 3MB, 1866MHz) |
| vPro | No |
| Graphics | Intel HD Graphics 520 |
| Memory (soldered) | 8GBx1 |
| Display | 14.0" FHD (1920x1080) IPS |
| Multi-touch | None |
| Storage | 192GB SSD |
| Optical | None |
| WLAN & Bluetooth | Intel 8260 ac + BT4.1 |
| WWAN | WWAN upgradable |
| SIM Card | None |
| Adapter | ThinkPad OneLink+ to RJ45 adapter |
| Dock | None |
| Camera | 720p |
| Backlit Keyboard | Backlit Keyboard |
| Fingerprint Reader | Fingerprint Reader |
| Battery Cells | 4-cell (52wh) |
| Power Adapter (watt) | 65W |
| Preload | Windows 10 Pro 64 |
| Base Warranty | 3-year onsite |
| Global | No |
| Ann Date (mm/yy) | 02/16 |





