ThinkPad X1 Carbon (6th Gen) Platform Specifications

**Processor**
- 7th Generation Intel® Core™ i5 Processor
- Processor Number: i5-7300U
- # of Cores: 2
- # of Threads: 4
- Base Frequency: 2.6 GHz
- Max Turbo Frequency: 3.5 GHz
- Cache: 3MB
- Memory Types: LPDDR3-1866
- Processor Graphics: Intel HD Graphics 620

or 8th Generation Intel Core i5 / i7 Processor
- Processor Number: i5-8250U
- # of Cores: 4
- # of Threads: 8
- Base Frequency: 1.6 GHz
- Max Turbo Frequency: 3.4 GHz
- Cache: 6MB
- Memory Types: LPDDR3-2133
- Processor Graphics: Intel UHD Graphics 620

**Graphics**
- Intel HD Graphics 620 or Intel UHD Graphics 620 in processor;
- supports external digital monitor via HDMI or USB Type-C;
- supports three independent displays;
- Max resolution: 5120x2880 @ 60Hz (USB Type-C);
- 4096x2160 @ 30Hz (HDMI)

**Chipset**
- Intel SoC (System on Chip) platform
- Intel XMM 7360 (Fibocom L850-GL), M.2 card

**Memory**
- 8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets
- * System clocks down for processors with lower memory controller

**Display**
- 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, 170° viewing angle
- 14.0" (355mm) QHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut, 170° viewing angle
- 14.0" (355mm) WQHD (2560x1440) with Dolby Vision™, glossy, LED backlight, IPS, 500 nits, 16:9 aspect ratio, 1500:1 contrast ratio, 100% gamut, 170° viewing angle

**Multi-touch (opt)**
- On-cell touch, supports 10-finger gesture (FHD only)

**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)

**Optane™ memory**
- None

**Ethernet**
- Native Intel Ethernet Connection i219-V (vPro) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2

**WLAN + Bluetooth™**
- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card
- * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS

**WWAN (optional)**
- Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card
- * For non-WWAN model, it means the model is NOT WWAN upgradable

**SIM card (opt)**
- Nano-SIM card slot, optional Verizon LTE (US) SIM card

**Dimensions**
- WxDxH: 12.74" x 8.55" x 0.63"; 323.5mm x 217.1mm x 15.95mm

**Weight**
- Starting at 2.49 lb / 1.13 kg

**Case color**
- Black or Silver (silver case is NOT available in EMEA)

**Case material**
- * Display cover: CFFP/SGFRP hybrid;
- Bottom: magnesium alloy / PPS hybrid

**Smart card reader**
- None

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

**Ports**
- HDMI / VGA: Lenovo HDMI to VGA Monitor Adapter
- USB-C to DP: Lenovo USB-C to DisplayPort Adapter
- Bundled Acce: Optional: ThinkPad Ethernet Extension Adapter Gen 2

**Audio (optional)**
- One of the following, configurable by model:
  - HD720p camera with ThinkShutter camera privacy, fixed focus
  - IR camera and HD720p camera, fixed focus

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

**Battery**
- Integrated Li-ion 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- with 65W USB Type-C AC adapter

**Max battery life**
- * Battery life varies significantly with settings, usage, & other factors
- MobileMark® 2014: 19.3 hr

**AC adapter**
- 45W, 65W, or 65W Low Halogen USB Type-C AC adapter

**Operating system**
- Optional: Windows 10 Home 64 or Windows 10 Pro 64

**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

**Environments**
- MIL-Spec test MIL-STD-810G military testing
- EPEAT® Gold (US only); ENERGY STAR® 6.1; RoHS-compliant

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