ThinkPad X1 Carbon (4th Gen) Platform Specifications

Processor

6th Generation Intel® Core™ i5 / i7 Processor

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

Chipset

Intel SoC (System on Chip) platform

Memory

4GB, 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, 72% gamut, 170° viewing angle

Multi-touch

None

Hinge

Normal hinge, 180 degree

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)

Optical

None

Ethernet

Gigabit Ethernet via optional Ethernet (RJ-45) adapter
(by native Intel Ethernet Connection I219-V (*Non-vPro*) or I219-LM (*vPro*))

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

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

Dimensions[3]

WxDxH: 13.11" x 9.02" x 0.59-0.65"; 333.0mm x 229.0mm x 14.95-16.45mm

Weight[2]

from 2.579 lb / 1.17 kg

Case material

Display cover: Carbon-Fiber Reinforced Plastic;
Bottom: Super magnesium

Media reader

MicroSD card reader, supports UHS-II microSD card

Ports

Three USB 3.0 (one Always On), MiniDP, HDMI, Lenovo OneLink+ connector

WiGig dock *(opt)*

WiGig dock, mutually exclusive with WWAN

Adapter *(optional)*

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

Camera

HD720p resolution, low light sensitive, fixed focus

Audio support

HD Audio, Conexant® CX11852 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys, LED backlight

UltraNav™

TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch

Security

Power-on password, hard disk password, supervisor password, security keyhole, reset switch

Security chip

Trusted Platform Module, TCG 1.2-compliant

ThinkEngine

Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures

vPro *(optional)*

Intel vPro Technology

Fingerprint reader

Touch style fingerprint reader on the palm rest

Battery

Integrated Lithium Polymer 4-cell *(52Wh)* RapidCharge battery

Max battery life[10]

MobileMark® 2014: 11 hr

AC adapter

45W AC adapter, 65W Slim AC adapter, or 65W AC adapter

RapidCharge

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

Preload

Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

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)

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)

Mil-Spec test

MIL-STD-810G military certification

Environment

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

Model	20FB003P++
Product	ThinkPad X1 Carbon (4th Gen)
Region	WE
Machine Type	20FB
TopSeller	TopSeller
Processor	Core i7-6500U (2C, 2.5 / 3.1GHz, 4MB)
vPro	No
Graphics	Integrated Intel HD Grahpics 520
Memory	8GB Soldered
Display	14" WQHD (2560x1440) IPS
Multi-touch	None
Storage	512GB SSD M.2
Optical	None
WLAN + Bluetooth	Intel 8260 ac, 2x2 + BT4.1
WWAN	Sierra EM7455
SIM Card	Lenovo Connect
Adapter	ThinkPad OneLink+ to RJ45 adapter
Dock	None
Camera	720p
Keyboard	Backlit
Fingerprint Reader	Fingerprint Reader
Battery	4-cell (52Wh)
Power Adapter	65W
Operating System	Windows 10 DG Windows 7 Pro 64
Warranty	3-year, Onsite
Global	No
Ann Date (mm/yy)	02/16






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