ThinkPad X1 Carbon (3rd Gen) Platform Specifications

Processor

5th Generation Intel® Core™ i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB	DDR3L-1600	Intel HD Graphics 5500
i5-5300U			2.3 GHz	2.9 GHz	3MB		
i7-5500U			2.4 GHz	3 GHz	4MB		
i7-5600U			2.6 GHz	3.2 GHz	4MB		

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

Memory

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) WQHD (2560x1440), anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS, 170° viewing angle

Multi-touch *(opt)*

Capacitive-type multi-touch, supports 10-finger gesture, 270 nits

Storage

M.2 SSD / PCIe 2.0 x4 or SATA (e.g. xxxG SSD PCIe or xxxG SSD)

Optical

None

Ethernet

Gigabit Ethernet via Ethernet extension cable

Bluetooth™

Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WLAN[4]

One of the following, configurable by model:

- 11b/g/n, Intel 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 *(opt)*

AT&T® or Verizon® LTE (4G), contract required with service provider

Dimensions[3]

WQHD (WxDxH): 13.03" x 8.92" x 0.70"; 331.0mm x 226.5mm x 17.72mm
FHD (WxDxH): 13.03" x 8.93" x 0.71"; 331.0mm x 226.8mm x 18.16mm
WQHD Touch (WxDxH): 13.03" x 8.94" x 0.73"; 331.0mm x 227.1mm x 18.46mm

Weight[2]

Models	*FHD*	*WQHD*	*WQHD Touch*
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

Media reader

None

Ports

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

Monitor cable

Optional: Mini DisplayPort to VGA Monitor Cable

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

Keyboard

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

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

Fingerprint reader on the keyboard bezel, swipe sensor

Battery type

Integrated Lithium Polymer 8-cell *(50Wh)* RapidCharge battery

Max battery life[10]

Models	*FHD*	*WQHD*	*WQHD Touch*
Battery life	10.9 hr	9.9 hr	9.9 hr

AC adapter

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

RapidCharge

AC adapter	*45W*	*65W Slim*	*65W*
Charge to 80%	1.1hr	55min	55min
Charge to 100%	2.5hr	2.3hr	2.3hr

Preload

Windows® 7 Professional 64 preinstalled through downgrade rights in 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 (30 days of virus definitions)

Some: Windows 8.1 64-bit
Some: Windows 8.1 Pro 64-bit
Some: Windows 10 Pro 64

- 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 w/o i5/i7 model)
- McAfee® LiveSafe™ (30-day trial, Win8 i5/i7 and Win10 model)

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; ENERGY STAR® 6.1; RoHS-compliant

Model	20BS006E++
Product	X1 Carbon (3rd Gen)
Region	WE
Machine Type	20BS
TopSeller	TopSeller
Processor	i5-5200U (2C, 2.2 / 2.7GHz, 3MB, 1600MHz)
vPro	No
Graphics	Intel HD Graphics 5500
Memory (soldered)	8GBx1
Display	14" WQHD (2560x1440) IPS
Multi-touch	None
Storage	256GB SSD Opal2
Optical	None
WLAN &Bluetooth	Intel 7265 ac + BT4.0
WWAN	Sierra EM7345
SIM Card	None
Monitor Cable	None
Camera	720p
Backlit Keyboard	Backlit Keyboard
Fingerprint Reader	Fingerprint Reader
Battery Cells	8-cell (50Wh)
Power Adapter (watt)	65W
Preload	Windows 8.1 DG Windows 7 Pro 64
Base Warranty	3-year onsite
Global	No
Ann Date (mm/yy)	01/15








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