

ThinkPad X1 Carbon (7th Gen) 20QD00M5XS

Product

ThinkPad X1 Carbon (7th Gen)

Region

EET

Country/Region

Slovakia

Machine Type

20QD

TopSeller

TopSeller

Processor

Intel Core i7-8565U (4C / 8T, 1.8 / 4.6GHz, 8MB)

Graphics

Integrated Intel UHD Graphics 620

Chipset

Intel SoC Platform

Memory

16GB Soldered LPDDR3-2133

Storage

512GB SSD M.2 2280 PCIe NVMe Opal2

Display

14" FHD (1920x1080) IPS 400nits Anti-glare, ThinkPad Privacy Guard

Touchscreen

None

Ethernet

100/1000M via Optional Adapter

Optical

None

WLAN + Bluetooth

Intel 9560 11ac, 2x2 + BT5.0

WWAN

Fibocom L850-GL

SIM Card

None

Smart Card Reader

None

Monitor Cable

None

Case Material

Carbon Fiber (Top), Magnesium Alloy (Bottom)

Bundled Accessories

ThinkPad Ethernet Extension Adapter Gen 2

Camera

720p + IR with ThinkShutter

Microphone

4x, 360°

Color

Black, Paint

Keyboard

Backlit, Czech / Slovak

Fingerprint Reader

Touch Style, Match-on-Chip

NFC

NFC

TPM

Discrete TPM 2.0

Battery

Integrated 51Wh

Power Adapter

65W USB-C

System Management

None

Operating System

Windows 10 Pro 64, Slovak / English

Bundled Software

None

Base Warranty

3-year, Depot

Bundled Service

3Y Onsite upgrade from 3Y Depot/CCI (5WS0E97271)

EAN / UPC / JAN

0194552651145

End of Support

2025-11-01

Announce Date

2019-10-01

Notes:

Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences.

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ThinkPad X1 Carbon (7th Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor									
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB	LPDDR3-2133	Intel UHD Graphics 620		
	i5-8365U			1.6 GHz	4.1 GHz	6MB				
	i7-8565U			1.8 GHz	4.6 GHz	8MB				
i7-8665U	1.9 GHz			4.8 GHz	8MB					
or 10th Generation Intel Core i5 / i7 Processor (NOT available in EMEA)										
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		
	i5-10210U	4	8	1.6 GHz	4.2 GHz	6MB	LPDDR3-2133	Intel UHD Graphics		
	i7-10510U			1.8 GHz	4.9 GHz	8MB				
	i7-10710U	6	12	1.1 GHz	4.7 GHz	12MB				
Graphics	Intel UHD Graphics 620 or Intel UHD Graphics in processor; supports external digital monitor via HDMI or USB Type-C / Thunderbolt; supports three independent displays; Max resolution: 5K@60Hz (Thunderbolt); 4K@24Hz (HDMI)									
Chipset	Intel SoC (System on Chip) platform									
Memory	8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets									
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	
	14.0"	FHD (1920x1080) Multi-touch	IPS	Anti-reflection Anti-smudge	300 nits	16:9	700:1	72%	170°	
	14.0"	FHD (1920x1080) Low Power	IPS	Anti-glare	400 nits	16:9	800:1	72%	170°	
	14.0"	FHD (1920x1080) ThinkPad Privacy Guard	IPS	Anti-glare	400 nits	16:9	1000:1	72%	170°	
	14.0"	WQHD (2560x1440)	IPS	Anti-glare	300 nits	16:9	700:1	72%	170°	
	14.0"	UHD (3840x2160) HDR 400, Dolby Vision™	IPS	Glossy	500 nits	16:9	1400:1	90%	170°	
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture (FHD only), anti-reflection (AR) / anti-smudge (AS) coating									
Storage	One of the following, configurable by model: <ul style="list-style-type: none">• M.2 2280 SSD / SATA 6.0Gb/s• M.2 2280 SSD / PCIe NVMe 3.0 x 4• Intel Optane Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4									
Optical	None									
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Adapter Gen 2									
WLAN + Bluetooth™	One of the following, configurable by model: <ul style="list-style-type: none">• Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0• Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth 5.0 (AX201 for 10th Gen processor only and NOT available in AP)									

WWAN (optional)	One of the following, configurable by model: <ul style="list-style-type: none">• Wireless WAN upgradable (special bid only)• Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card• Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, 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 (Privacy Guard): 12.72" x 8.54" x 0.61"; 323mm x 217mm x 15.4mm WxDxH (other model): 12.72" x 8.54" x 0.59"; 323mm x 217mm x 14.95mm
Weight	Privacy Guard model: starting at 2.66 lb / 1.21 kg; Other model: starting at 2.4 lb / 1.09 kg
Case color	Black paint or black weave
Case material	Display cover: Carbon Fiber; Bottom: magnesium alloy
Smart card reader	None
Media reader	None
Ports	Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of Power Delivery and DisplayPort), HDMI 1.4b, Ethernet extension connector, nano-SIM card slot (WWAN models), headphone / microphone combo jack, side docking connector, security keyhole * Depending on many factors, actual data transfer speed may be lower than theoretical speed
Monitor cable	Optional: Lenovo HDMI to VGA Monitor Adapter
Bundled Accy	Optional: ThinkPad Ethernet Extension Adapter Gen 2
Camera (optional)	One of the following, configurable by model: <ul style="list-style-type: none">• HD720p camera with ThinkShutter camera privacy, fixed focus• IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus
Audio support	HD Audio, Realtek® ALC3286 codec / Dolby® Atmos™ speaker system, 2W x 2, 0.8 x 2 / four 360° far-field microphones, headphone / microphone combo jack
Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight
UltraNav™	TrackPoint® pointing device and buttonless glass surface multi-touch touchpad
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Discrete TPM 2.0, TCG Certified
System Mgt (opt)	Intel vPro Technology
Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest
NFC (optional)	Near Field Communication
Battery	Integrated Li-ion 51Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
Max battery life	MobileMark® 2014: 18.3 hr * Battery life varies significantly with settings, usage, & other factors
AC adapter	45W, 65W, or 65W slim USB-C AC adapter
Operating system	Optional: Windows® 10 Home 64 or Windows 10 Pro 64
Limited warranty	One of the following, configurable by model: <ul style="list-style-type: none">• 1-year depot repair service• 1-year depot with 2-year system board repair service• 3-year/1-yr battery depot repair service• 3-year/1-yr battery limited onsite service
Mil-Spec test	MIL-STD-810G military testing
Environment	EPEAT™ Gold; ENERGY STAR® 7.1; RoHS-compliant

Note: The specifications above may not be available in all regions.

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