

# ThinkPad X1 Carbon (7th Gen) 20QD002YBM

**Product**

ThinkPad X1 Carbon (7th Gen)

**Region**

EET

**Country/Region**

Bulgaria

**Machine Type**

20QD

**TopSeller**

TopSeller

**Processor**

Core i5-8265U (4C / 8T, 1.6 / 3.9GHz, 6MB)

**Graphics**

Integrated Intel UHD Graphics 620

**Chipset**

Intel SoC Platform

**Memory**

16GB Soldered LPDDR3-2133

**Display**

14" FHD (1920x1080) Low Power IPS 400nits Anti-glare

**Multi-touch**

None

**Storage**

512GB SSD M.2 2280 PCIe NVMe Opal2

**Optical**

None

**WLAN + Bluetooth**

Intel 9560 11ac, 2x2 + BT5.0

**WWAN**

Fibocom L850-GL

**SIM Card**

None

**Smart Card Reader**

None

**Monitor Cable**

None

**Bundled Accessories**

ThinkPad Ethernet Extension Adapter Gen 2

**Color**

Black, Paint

**Camera**

720p + IR

**Keyboard**

Backlit, Bulgarian

**Fingerprint Reader**

Fingerprint Reader

**NFC**

NFC

**TPM**

Discrete TPM 2.0

**Battery**

Integrated 51Wh

**Power Adapter**

65W USB-C

**System Management**

None

**Operating System**

Windows 10 Pro 64, English

**Bundled Software**

None

**Base Warranty**

3-year, Depot

**Bundled Service**

None

**End of Support**

2025-07-18

**Announce Date**

2019-06-18

**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 (7<sup>th</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor									WWAN (optional) <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"><li>• Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card</li><li>• Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card</li></ul> <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>		
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card	
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB	LPDDR3-2133	Intel UHD Graphics 620	Dimensions	<i>WxDxH (Privacy Guard):</i> 12.72" x 8.54" x 0.59"; 323mm x 217mm x 14.95mm		
	i5-8365U			1.6 GHz	4.1 GHz	6MB			<i>WxDxH (other model):</i> 12.72" x 8.54" x 0.61"; 323mm x 217mm x 15.4mm			
	i7-8565U			1.8 GHz	4.6 GHz	8MB			<i>Privacy Guard:</i> starting at 2.4 lb / 1.09 kg;			
i7-8665U	1.9 GHz			4.8 GHz	8MB	<i>Other model:</i> starting at 2.66 lb / 1.21 kg						
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		Case color	Black paint or black weave	
	i5-10210U	4	8	1.6 GHz	4.2 GHz	6MB	LPDDR3-2133	Intel UHD Graphics	Case material	<i>Display cover:</i> Carbon Fiber;		
	i7-10510U			1.8 GHz	4.9 GHz	8MB			<i>Bottom:</i> magnesium alloy			
	i7-10710U	6	12	1.1 GHz	4.7 GHz	12MB			Smart card reader	None		
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: 4096x2304 @60Hz (Thunderbolt); 4096x2160 @24Hz (HDMI)										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
Chipset	Intel SoC (System on Chip) platform										Monitor cable	<i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>
Memory	8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets										Bundled Accy	<i>Optional:</i> Lenovo HDMI to VGA Monitor Adapter
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Camera (optional)	<i>One of the following, configurable by model:</i>	
	14.0"	FHD (1920x1080) Multi-touch	IPS	Anti-glare	300 nits	16:9	700:1	72%	170°	Audio support	<ul style="list-style-type: none"><li>• HD720p camera with ThinkShutter camera privacy, fixed focus</li><li>• IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus</li></ul>	
	14.0"	FHD (1920x1080) Low Power	IPS	Anti-glare	400 nits	16:9	800:1	72%	170°		HD Audio, Realtek® ALC3286 codec / Dolby® Atmos™ speaker system, 2W x 2, 0.8 x 2 / 4 array far-field microphones, headphone / microphone combo jack	
	14.0"	FHD (1920x1080) ThinkPad Privacy Guard	IPS	Anti-glare	400 nits	16:9	1000:1	72%	170°	Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight	
	14.0"	WQHD (2560x1440)	IPS	Anti-glare	300 nits	16:9	700:1	72%	170°	UltraNav™	TrackPoint® pointing device and buttonless glass surface multi-touch touchpad	
	14.0"	UHD (3840x2160) HDR 400, Dolby Vision™	IPS	Glossy	500 nits	16:9	1400:1	90%	170°	Security	Power-on password, hard disk password, supervisor password, security keyhole	
										Security chip	Discrete TPM 2.0, TCG Certified	
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture (FHD only), anti-reflection (AR), anti-smudge coating										System Mgt (opt)	Intel vPro Technology
											Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest
Storage	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"><li>• M.2 2280 SSD / SATA 6.0Gb/s</li><li>• M.2 2280 SSD / PCIe NVMe 3.0 x 4</li><li>• Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4</li><li>• Intel Optane SSD, M.2 2280, PCIe NVMe 3.0 x 2</li></ul>										NFC (optional)	Near Field Communication
Optical	None										Battery	Integrated Li-ion 51Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2										Max battery life	<i>MobileMark® 2014:</i> 18.3 hr
WLAN + Bluetooth™	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"><li>• Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0</li><li>• Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth 5.0 (AX201 for 10th Gen processor only)</li></ul>										AC adapter	<i>* Battery life varies significantly with settings, usage, &amp; other factors</i> 45W, 65W, or 65W slim USB-C AC adapter
											Operating system	<i>Optional:</i> Windows® 10 Home 64 or Windows 10 Pro 64
											Limited warranty	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"><li>• 1-year depot repair service</li><li>• 1-year depot with 2-year planar repair service</li><li>• 3-year/1-yr battery depot repair service</li><li>• 3-year/1-yr battery limited onsite service</li></ul>
											Mil-Spec test	MIL-STD-810G military testing
											Environment	EPEAT™ Silver; ENERGY STAR® 7.1; RoHS-compliant

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

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September 2019

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