

# ThinkPad X1 Carbon (7th Gen) 20R10011CA

## Product

ThinkPad X1 Carbon (7th Gen)

## Region

NA

## Country/Region

Canada

## Machine Type

20R1

## TopSeller

TopSeller

## Processor

Intel Core i5-10210U (4C / 8T, 1.6 / 4.2GHz, 6MB)

## Graphics

Integrated Intel UHD Graphics

## Chipset

Intel SoC Platform

## Memory

8GB Soldered LPDDR3-2133

## Storage

256GB SSD M.2 2280 PCIe NVMe Opal2

## Display

14" FHD (1920x1080) IPS 300nits AR (anti-reflection) / AS (anti-smudge)

## Touchscreen

10-point Multi-touch

## Ethernet

100/1000M via Optional Adapter

## Optical

None

## WLAN + Bluetooth

Intel 9560 11ac, 2x2 + BT5.0

## WWAN

None

## SIM Card

None

## Smart Card Reader

None

## Monitor Cable

None

## Case Material

Carbon Fiber (Top), Magnesium Alloy (Bottom)

## Bundled Accessories

None

## Camera

720p with ThinkShutter

## Microphone

4x, 360°

## Color

Black, Paint

## Keyboard

Backlit, 058 French

## Fingerprint Reader

Touch Style, Match-on-Chip

## NFC

None

## TPM

Discrete TPM 2.0

## Battery

Integrated 51Wh

## Power Adapter

65W USB-C

## System Management

None

## Operating System

Windows 10 Pro 64, French

## Bundled Software

None

## Base Warranty

3-year, Depot

## Bundled Service

None

## EAN / UPC

194552183677

## End of Support

2025-11-08

## Announce Date

2019-10-08

## Recommended Services

### Best

3Y Lenovo Protect (Premier Support + Keep Your Drive + Accidental Damage Protection + Sealed Battery) (5PS0N73216)

### Better

3Y Lenovo Support (Premier Support + Keep Your Drive + Sealed Battery) (5PS0N73159)

### Good

3Y Premier Support Upgrade from 3Y Depot/CCI (5WS0T36160)

## 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.

## California Electronic Waste Recycling Fee

In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to: <https://www.calrecycle.ca.gov/Electronics/Consumer>



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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)	One of the following, configurable by model: <ul style="list-style-type: none"> <li>• Wireless WAN upgradable (special bid only)</li> <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> <small>* For non-WWAN model, it means the model is NOT WWAN upgradable</small>					
	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	SIM card (opt)	Dimensions Weight Case color Case material Smart card reader Media reader Ports					
	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	Dimensions Weight Case color Case material Smart card reader Media reader 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					
	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			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)								Monitor cable Bundled Accy	Optional: Lenovo HDMI to VGA Monitor Adapter Optional: ThinkPad Ethernet Extension Adapter Gen 2					
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°	Camera (optional) Audio support	One of the following, configurable by model: <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> 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				
	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°	Keyboard UltraNav™ Security System Mgt (opt) Fingerprint reader NFC (optional)	6-row, spill-resistant, multimedia Fn keys, LED backlight TrackPoint® pointing device and buttonless glass surface multi-touch touchpad Power-on password, hard disk password, supervisor password, security keyhole Discrete TPM 2.0, TCG Certified Touch style match on chip fingerprint reader on the palm rest Near Field Communication				
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"> <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> </ul>								Battery Max battery life AC adapter Operating system Limited warranty	Integrated Li-ion 51Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter * Battery life varies significantly with settings, usage, & other factors 45W, 65W, or 65W slim USB-C AC adapter Optional: Windows® 10 Home 64 or Windows 10 Pro 64 One of the following, configurable by model: <ul style="list-style-type: none"> <li>• 1-year depot repair service</li> <li>• 1-year depot with 2-year system board repair service</li> <li>• 3-year/1-yr battery depot repair service</li> <li>• 3-year/1-yr battery limited onsite service</li> </ul>					
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"> <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 and NOT available in AP)</li> </ul>														
Note: The specifications above may not be available in all regions.															

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