

# ThinkPad X1 Carbon Gen 8 20U9004RYA

**Product**

ThinkPad X1 Carbon Gen 8

**Region**

EET

**Country/Region**

Serbia

**Machine Type**

20U9

**TopSeller**

TopSeller

**Processor**

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

**Graphics**

Integrated Intel UHD Graphics

**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

**Touchscreen**

None

**Ethernet**

100/1000M via Optional Adapter

**Optical**

None

**WLAN + Bluetooth**

Intel AX201 11ax, 2x2 + BT5.0

**WWAN**

WWAN Upgradable

**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, Slovenian

**Fingerprint Reader**

Touch Style, Match-on-Chip

**NFC**

NFC

**TPM**

Discrete TPM 2.0

**Battery**

Integrated 51Wh

**Power Adapter**

65W USB-C Slim

**System Management**

None

**Operating System**

Windows 10 Pro 64, Serbian / English

**Bundled Software**

None

**Base Warranty**

3-year, Depot

**Bundled Service**

None

**EAN / UPC / JAN**

0194778843492

**End of Support**

2026-11-28

**Announce Date**

2020-04-28

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**Recommended Services****Best**

5Y Onsite upgrade from 3Y Depot/CCI (5WS0E97394)

**Better**

4Y Onsite upgrade from 3Y Depot/CCI (5WS0E97146)

**Good**

3Y Accidental Damage Protection Add On (5PS0F15928)

**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 Gen 8 Platform Specifications

Product Specifications Reference (PSREF)

Processor	10th Generation Intel® Core™ i5 / i7 Processor										Dimensions	<i>WxDxH (Privacy Guard model):</i> 12.72" x 8.54" x 0.61"; 323mm x 217mm x 15.4mm <i>WxDxH (other model):</i> 12.72" x 8.54" x 0.59"; 323mm x 217mm x 14.9mm	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics			Weight	<i>Privacy Guard model:</i> starting at 2.66 lb / 1.21 kg; <i>Other model:</i> starting at 2.4 lb / 1.09 kg	
	i5-10210U	4	8	1.6 GHz	4.2 GHz	6MB	LPDDR3-2133	Intel UHD Graphics			Case color	Black paint or black weave	
	i5-10310U			1.7 GHz	4.4 GHz	6MB					Case material	<i>Display cover:</i> Carbon Fiber; <i>Bottom:</i> magnesium alloy	
	i7-10510U			1.8 GHz	4.9 GHz	8MB							
i7-10610U	1.8 GHz			4.9 GHz	8MB								
Graphics	Intel UHD Graphics in processor; supports up to 3 independent displays via native display and two external monitors; supports external monitors via HDMI (up to 4K@24Hz) or Thunderbolt (5K@60Hz)										Smart card reader	None	
Chipset	Intel SoC (System on Chip) platform										Media reader	None	
Memory	8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets										Ports	Two USB 3.2 Gen 1 (one Always On), two USB 3.2 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 <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>	
Display	Size	Resolution		Type	Surface	Touch	Bright-ness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Monitor cable	Optional: Lenovo HDMI to VGA Monitor Adapter
	14.0"	FHD (1920x1080)		WVA	Anti-glare	-	400 nits	16:9	800:1	72%	170°	Bundled Accy	Optional: ThinkPad Ethernet Extension Adapter Gen 2
	14.0"	FHD (1920x1080)		WVA	Anti-glare	Multi-touch	400 nits	16:9	700:1	72%	170°	Camera (optional)	• HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus
	14.0"	FHD (1920x1080) ThinkPad Privacy Guard		WVA	Anti-glare	Multi-touch	500 nits	16:9	1000:1	72%	170°	Audio support	HD Audio, USI 4551-513711-00 codec / Dolby® Atmos™ speaker system, 2W x 2, 0.8 x 2 / four 360° far-field microphones, headphone / microphone combo jack
	14.0"	WQHD (2560x1440)		WVA	Anti-glare	-	300 nits	16:9	1000:1	72%	170°	Keyboard	6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, LED backlight
	14.0"	UHD (3840x2160) HDR 400, Dolby Vision™		WVA	Glossy	-	500 nits	16:9	1500:1	90% DCI-P3	170°	UltraNav™	TrackPoint™ pointing device and buttonless glass surface multi-touch touchpad
Multi-touch (opt)	<i>* WQHD is NOT available in EMEA</i> Capacitive-type multi-touch, supports 10-finger gesture, anti-reflection (AR) / anti-smudge (AS) coating										Security chip	Power-on password, hard disk password, supervisor password, security keyhole • Firmware TPM 2.0 integrated in chipset • Discrete TPM 2.0 TCG Certified	
Storage	<ul style="list-style-type: none"><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>										System Mgt (opt)	Intel vPro Technology	
Optical	None										Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest	
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Adapter Gen 2										NFC (optional)	Near Field Communication	
WLAN + Bluetooth™	Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth 5.0 <i>* Intel AX201 card supports BT5.1 but is limited to BT5.0 by Windows OS</i>										Battery	Integrated Li-Polymer 51Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter	
WWAN (optional)	<ul style="list-style-type: none"><li>• Wireless WAN upgradable</li><li>• Integrated Mobile Broadband 4G LTE, Quectel EM05CEFC, M.2 card</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><li><i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i></li><li>• Gemalto eSIM</li><li>• Nano-SIM card, Lenovo Connect 4 month, 4G LTE</li></ul>										Max battery life	<i>MobileMark® 2014:</i> 19.5 hr <i>MobileMark 2018:</i> 13.8 hr <i>* Battery life varies significantly with hardware configurations, settings, usage, &amp; other factors</i>	
SIM card (opt)											AC adapter	<ul style="list-style-type: none"><li>• 45W USB-C AC adapter</li><li>• 65W USB-C AC adapter</li><li>• 65W USB-C slim AC adapter</li></ul>	
											Operating system	<ul style="list-style-type: none"><li>• Windows® 10 Home 64</li><li>• Windows 10 Pro 64</li></ul>	
											Limited warranty (optional)	<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>• 1-year limited onsite service</li><li>• 1-year + 2-year depot repair service</li><li>• 1-year + 2-year limited onsite 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™ Gold; ENERGY STAR® 8.0; TCO Certified; RoHS-compliant	

Note: The specifications above may not be available in all regions and might change by regions.

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