

ThinkPad X1 Extreme Gen 3 20TK000NGE

Product

ThinkPad X1 Extreme Gen 3

Region

WE

Country/Region

Germany

Machine Type

20TK

TopSeller

TopSeller

Processor

Intel Core i9-10885H (8C / 16T, 2.4 / 5.3GHz, 16MB)

Graphics

NVIDIA GeForce GTX 1650 Ti Max-Q 4GB GDDR6

Chipset

Intel WM490

Memory

1x 32GB SO-DIMM DDR4-2933

Storage

2TB SSD M.2 2280 PCIe NVMe Opal2

RAID Preset

No

Display

15.6" UHD (3840x2160) OLED 400nits AR (anti-reflection) / AS (anti-smudge), 100% DCI-P3 Gamut, Dolby Vision, HDR

Touchscreen

10-point Multi-touch

Pen

None

Media Reader

SD Card Reader

Ethernet

100/1000M via Optional Adapter

Optical

None

WLAN + Bluetooth

Intel AX201 11ax, 2x2 + BT5.1

WWAN

Fibocom L860-GL

SIM Card

None

Smart Card Reader

None

Monitor Cable

None

Case Material

CFRP/GFRP (Top), Aluminum Alloy (Bottom)

Bundled Accessories

USB-C to Ethernet Adapter

Camera

720p + IR with ThinkShutter

Microphone

2x, Array

Color

Black, Weave

Keyboard

Backlit, German

Fingerprint Reader

Touch Style, Match-on-Chip

NFC

None

Color Calibrator

Factory Color Calibration

TPM

Discrete TPM 2.0

Battery

Integrated 80Wh

Power Adapter

170W Slim Tip

System Management

Intel vPro

Operating System

Windows 10 Pro 64, German

Bundled Software

None

Base Warranty

3-year, Depot

Bundled Service

3Y Premier TP Halo WHB (CPN) (5WS1B09495)

EAN / UPC / JAN

0195235286692

End of Support

2027-03-04

Announce Date

2020-08-04

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 Extreme Gen 3 Platform Specifications

Product Specifications Reference (PSREF)

Processor	10th Generation Intel® Core™ i5 / i7 / i9 Processor										Dimensions	WxDxH (non-touch): 14.24" x 9.67" x 0.72"; 361.8mm x 245.7mm x 18.4mm					
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics				WxDxH (multi-touch): 14.24" x 9.67" x 0.74"; 361.8mm x 245.7mm x 18.7mm					
	i5-10400H	4	8	2.6 GHz	4.6 GHz	8MB	DDR4-2933	Intel UHD Graphics				Weight					
	i7-10750H	6	12	2.6 GHz	5.0 GHz	12MB						Non-touch model: starting at 3.75 lb / 1.7 kg;					
	i7-10850H			2.7 GHz	5.1 GHz	12MB						Multi-touch model: starting at 4.0 lb / 1.81 kg					
i9-10885H	8	16	2.4 GHz	5.3 GHz	16MB	Case color		Case material		Display cover: CFRP/GFRP hybrid; Bottom: Aluminum alloy							
Graphics	Intel UHD Graphics in processor only or Intel UHD Graphics in processor and NVIDIA® GeForce® GTX 1650 Ti Max-Q, 4GB GDDR6 memory; supports up to 4 independent displays via native display and 3 external monitors; supports external monitors via HDMI (up to 4K@60Hz) or Thunderbolt™ (up to 5K@60Hz for hybrid model / 4K@60Hz for integrated model)										Smart card reader	None					
	Chipset Memory	Mobile Intel WM490 Chipset 64GB max / 2933MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * Installed memory is actually 3200MHz but run at 2933MHz due to Intel limitation										Media reader Ports	SD Card reader, supports UHS-II SD card (mutually exclusive with WWAN card) 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 1.4 for discrete graphics / DisplayPort 1.2 for integrated graphics), HDMI 2.0, nano-SIM card slot (WWAN models), headphone / microphone combo jack, SD card reader, security keyhole, slim tip AC adapter * Depending on many factors, actual data transfer speed may be lower than theoretical speed				
													Monitor cable (optional)	• Lenovo HDMI to VGA Monitor Adapter • Lenovo USB-C to VGA Adapter • Lenovo USB-C to DisplayPort Adapter Optional: Lenovo USB-C to Ethernet Adapter			
														Bundled Accy	• HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus		
															Camera (optional)	HD Audio, Realtek® ALC3286 codec / Dolby® Atmos™ sound system with 3-magnet speakers, 2W x 2 / optional dual array microphone, headphone / microphone combo jack	
Display	Size	Resolution	Type	Surface	Touch	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Audio support	Keyboard					
	15.6"	FHD (1920x1080)	WVA	Anti-glare	-	300 nits	16:9	700:1	72% NTSC	170°		6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, LED backlight					
	15.6"	FHD (1920x1080) Dolby Vision™ HDR	WVA	Anti-glare	-	500 nits	16:9	800:1	72% NTSC	170°		UltraNav™ TrackPoint® pointing device and buttonless glass surface multi-touch touchpad					
	15.6"	UHD (3840x2160) Dolby Vision HDR	WVA	Anti-glare	-	600 nits	16:9	1400:1	100% Adobe	178°		Security					
	15.6"	UHD (3840x2160) Dolby Vision HDR	OLED	AR, AS	Multi-touch	SDR 400nit, HDR 540nit (peak)	16:9	100000:1	100% DCI-P3	170°		Security chip					
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture, anti-reflection (AR), anti-smudge (AS) coating										System Mgt (opt)	Power-on password, hard disk password, supervisor password, security keyhole					
Pen (optional)	Lenovo Pen Pro											Fingerprint reader	• Firmware TPM 2.0 integrated in chipset • Discrete TPM 2.0 TCG Certified				
Storage	Up to two M.2 SSD M.2 2280 SSD / PCIe NVMe 3.0 x 4												Color calibration	Intel vPro Technology			
RAID (optional)	RAID 0/1 support													NFC	Touch style match on chip fingerprint reader on the keyboard bezel Optional: X-Rite Pantone factory color calibration (UHD model only)		
Optical	None														Battery	None	
Ethernet	Gigabit Ethernet connection via optional Lenovo USB-C to Ethernet Adapter										Max battery life	Integrated Li-Polymer 80Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 135W AC adapter MobileMark® 2014: 15.6 hr MobileMark 2018: 11.8 hr * Battery life varies significantly with hardware configurations, settings, usage, & other factors					
WLAN + BT	Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth™ 5.1											AC adapter	135W or 170W slim tip AC adapter (170W for i9-10885H model only)				
WWAN (optional)	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										Operating system		Optional: Windows® 10 Home 64 or Windows 10 Pro 64				
SIM card	None											Limited warranty (optional)	• 1-year depot repair service • 1-year depot with 2-year system board repair service • 1-year limited onsite service • 1-year + 2-year depot repair service • 1-year + 2-year limited onsite 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® 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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