

ThinkPad X1 Extreme Gen 3 20TK000AGE

Product

ThinkPad X1 Extreme Gen 3

Region

WE

Country/Region

Germany

Machine Type

20TK

TopSeller

TopSeller

Processor

Intel Core i7-10750H (6C / 12T, 2.6 / 5.0GHz, 12MB)

Graphics

NVIDIA GeForce GTX 1650 Ti Max-Q 4GB GDDR6

Chipset

Intel WM490

Memory

1x 16GB SO-DIMM DDR4-2933

Storage

512GB SSD M.2 2280 PCIe NVMe Opal2

RAID Preset

No

Display

15.6" UHD (3840x2160) IPS 600nits Anti-glare, 100% Adobe, Dolby Vision, HDR

Touchscreen

None

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

135W Slim Tip

System Management

None

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

0195235281512

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 WxDxH (multi-touch): 14.24" x 9.67" x 0.74"; 361.8mm x 245.7mm x 18.7mm		
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics			Weight	Non-touch model: starting at 3.75 lb / 1.7 kg; Multi-touch model: starting at 4.0 lb / 1.81 kg		
	i5-10400H	4	8	2.6 GHz	4.6 GHz	8MB	DDR4-2933	Intel UHD Graphics			Case color	Black paint or black weave		
	i7-10750H	6	12	2.6 GHz	5.0 GHz	12MB					Case material	Display cover: CFRP/GFRP hybrid; Bottom: Aluminum alloy		
	i7-10850H			2.7 GHz	5.1 GHz	12MB								
	i9-10885H	8	16	2.4 GHz	5.3 GHz	16MB					Smart card reader	None		
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)										Media reader	SD Card reader, supports UHS-II SD card (mutually exclusive with WWAN card)		
Chipset	Mobile Intel WM490 Chipset										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 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 <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>		
Memory	64GB max / 2933MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets <i>* Installed memory is actually 3200MHz but run at 2933MHz due to Intel limitation</i>										Monitor cable (optional)	• Lenovo HDMI to VGA Monitor Adapter • Lenovo USB-C to VGA Adapter • Lenovo USB-C to DisplayPort Adapter <i>Optional: Lenovo USB-C to Ethernet Adapter</i>		
Display	Size	Resolution	Type	Surface	Touch	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Bundled Accy	Camera (optional)• HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus		
	15.6"	FHD (1920x1080)	WVA	Anti-glare	-	300 nits	16:9	700:1	72% NTSC	170°	Audio support	• HD Audio, Realtek® ALC3286 codec / Dolby® Atmos™ sound system with 3-magnet speakers, 2W x 2 / optional dual array microphone, headphone / microphone combo jack		
	15.6"	FHD (1920x1080) Dolby Vision™ HDR	WVA	Anti-glare	-	500 nits	16:9	800:1	72% NTSC	170°		Keyboard	6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, LED backlight	
	15.6"	UHD (3840x2160) Dolby Vision HDR	WVA	Anti-glare	-	600 nits	16:9	1400:1	100% Adobe	178°		UltraNav™	TrackPoint® pointing device and buttonless glass surface multi-touch touchpad	
	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	Power-on password, hard disk password, supervisor password, security keyhole	
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture, anti-reflection (AR), anti-smudge (AS) coating										Security chip	• Firmware TPM 2.0 integrated in chipset • Discrete TPM 2.0 TCG Certified		
Pen (optional)	Lenovo Pen Pro										System Mgt (opt)	Intel vPro Technology		
Storage	Up to two M.2 SSD M.2 2280 SSD / PCIe NVMe 3.0 x 4										Fingerprint reader	Touch style match on chip fingerprint reader on the keyboard bezel		
RAID (optional)	RAID 0/1 support										Color calibration	<i>Optional: X-Rite Pantone factory color calibration (UHD model only)</i>		
Optical	None										NFC	None		
Ethernet	Gigabit Ethernet connection via optional Lenovo USB-C to Ethernet Adapter										Battery	Integrated Li-Polymer 80Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 135W AC adapter		
WLAN + BT	Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth™ 5.1										Max battery life	MobileMark® 2014: 15.6 hr MobileMark 2018: 11.8 hr <i>* Battery life varies significantly with hardware configurations, settings, usage, & other factors</i>		
WWAN (optional)	Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>										AC adapter	135W or 170W slim tip AC adapter (170W for i9-10885H model only)		
SIM card	None										Operating system	<i>Optional: Windows® 10 Home 64 or Windows 10 Pro 64</i>		
											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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