

ThinkPad X1 Extreme (2nd Gen) 20QV00CMPB

Product

ThinkPad X1 Extreme (2nd Gen)

Region

EET

Country/Region

Poland

Machine Type

20QV

TopSeller

TopSeller

Processor

Intel Core i7-9750H (6C / 12T, 2.6 / 4.5GHz, 12MB)

Graphics

NVIDIA GeForce GTX 1650 Max-Q 4GB GDDR5

Chipset

Intel CM246

Memory

1x 32GB SO-DIMM DDR4-2666

Storage

1TB SSD M.2 2280 PCIe NVMe Opal2

RAID

No

Display

15.6" UHD (3840x2160) OLED 400nits AR (anti-reflection) / AS (anti-smudge), 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 AX200 11ax, 2x2 + BT5.0

WWAN

None

SIM Card

None

Smart Card Reader

Smart Card Reader

Monitor Cable

None

Case Material

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

Bundled Accessories

ThinkPad Ethernet Extension Cable

Camera

720p + IR with ThinkShutter

Microphone

2x, 360°

Color

Black, Weave

Keyboard

Backlit, English (EU)

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, Polish / English

Bundled Software

None

Base Warranty

3-year, Depot

Bundled Service

3Y Onsite upgrade from 3Y Depot/CCI (5WS0E97271)

EAN / UPC / JAN

0194632267556

End of Support

2026-02-16

Announce Date

2019-11-12

Recommended Services

Best

5Y Premier Support Upgrade from 3Y Onsite (5WS0T36163)

Better

4Y Premier Support Upgrade from 3Y Onsite (5WS0T36146)

Good

3Y Premier Support Upgrade from 3Y Onsite (5WS0U26638)

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 (2nd Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	9th Generation Intel® Core™ i5 / i7 / i9 Processor										Dimensions <i>WxDxH (non-touch):</i> 14.24" x 9.67" x 0.72"; 361.8mm x 245.7mm x 18.4mm <i>WxDxH (multi-touch):</i> 14.24" x 9.67" x 0.74"; 361.8mm x 245.7mm x 18.7mm <i>Non-touch model:</i> starting at 3.75 lb / 1.7 kg; <i>Multi-touch model:</i> starting at 4.0 lb / 1.81 kg Black paint (FHD model) or black weave (UHD model) <i>Display cover:</i> CFRP/GFRP hybrid; <i>Bottom:</i> Aluminum alloy
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics			
	i5-9300H	4	8	2.4 GHz	4.1 GHz	8MB	DDR4-2666	Intel UHD Graphics 630			
	i5-9400H	4	8	2.5 GHz	4.3 GHz	8MB					
	i7-9750H	6	12	2.6 GHz	4.5 GHz	12MB					
	i7-9850H	6	12	2.6 GHz	4.6 GHz	12MB					
i9-9880H	8	16	2.3 GHz	4.8 GHz	16MB						
Graphics	Intel UHD Graphics 630 in processor and NVIDIA® GeForce® GTX 1650 Max-Q, 4GB GDDR5 memory; supports external digital monitor via HDMI or Thunderbolt™; supports four independent displays; Max resolution: 5K@60Hz (Thunderbolt); 4K@60Hz (HDMI)										Weight Case color Case material Smart card reader Media reader Ports Monitor cable (optional) Bundled Accy Camera (optional) Audio support Keyboard UltraNav™ Security Security chip System Mgt (opt) Fingerprint reader Color calibration NFC Battery Max battery life AC adapter Operating system Limited warranty Mil-Spec test Environment
Chipset	Mobile Intel CM246 Chipset										
Memory	64GB max / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets										
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle		
	15.6"	FHD (1920x1080)	IPS	Anti-glare	300 nits	16:9	700:1	72% NTSC	170°		
	15.6"	FHD (1920x1080) Dolby Vision™ HDR	IPS	Anti-glare	500 nits	16:9	1200:1	72% NTSC	170°		
	15.6"	UHD (3840x2160) Dolby Vision HDR	IPS	Anti-glare	500 nits	16:9	1200:1	100% Adobe	170°		
	15.6"	UHD (3840x2160) Dolby Vision HDR, Multi-touch	OLED	Anti-reflection Anti-smudge	SDR 400nit, HDR 500nit (peak)	16:9	100000:1	100% DCI-P3	170°		
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture (UHD OLED only), anti-reflection (AR), anti-smudge (AS) coating										
Pen (optional)	Lenovo Pen Pro (special bid only)										
Storage	Up to two M.2 SSD M.2 2280 SSD / PCIe NVMe 3.0 x 4										
RAID (optional)	RAID 0/1 support										
Optical	None										
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via bundled or optional ThinkPad Ethernet Extension Cable										
WLAN (optional)	Intel Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth 5.0										
Bluetooth™ (opt)	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter										
WWAN	None										
SIM card	None										
Optional: Smart card reader											
SD Card reader (SD, SDHC, SDXC), supports UHS-II SD card											
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 2.0, Ethernet extension connector, headphone / microphone combo jack, optional smart card reader, SD card reader, security keyhole, slim tip AC adapter											
* Power Delivery only supports power-out for charging peripherals											
* Depending on many factors, actual data transfer speed may be lower than theoretical speed											
HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter											
USB-C to VGA: Lenovo USB-C to VGA Adapter											
USB-C to DP: Lenovo USB-C to DisplayPort Adapter											
Optional: ThinkPad Ethernet Extension Cable											
One of the following, configurable by model:											
• HD720p camera with ThinkShutter camera privacy, fixed focus											
• IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus											
HD Audio, Synaptic® CX11880 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / optional dual 360° far-field microphone, headphone / microphone combo jack, Dolby Atmos® sound system											
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											
Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified (may be disabled in some region)											
Intel vPro Technology											
Touch style match on chip fingerprint reader on the keyboard bezel											
Optional: X-Rite Pantone factory color calibration (UHD model only)											
None											
Integrated Li-Polymer 80Wh battery, supports Rapid Charge (charge up to 80% in 1hr)											
MobileMark® 2014: 14 hr											
* Battery life varies significantly with hardware configurations, settings, usage, & other factors											
135W slim tip AC adapter											
Optional: Windows® 10 Home 64 or Windows 10 Pro 64											
• 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-STD-810G military testing											
EPEAT™ Gold; ENERGY STAR® 7.1; TCO Certified; RoHS-compliant											

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

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June 2020

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