ThinkPad X1 Extreme (2nd Gen) 20QV0008US

Product

ThinkPad X1 Extreme (2nd Gen)

Region

NA

Country

USA

Machine Type

20QV

TopSeller

TopSeller

Processor

Core i7-9850H (6C / 12T, 2.6 / 4.6GHz, 12MB)

Graphics

NVIDIA GeForce GTX 1650 Max-Q 4GB GDDR5

Chipset

Intel CM246

Memory

2x 16GB DIMM DDR4-2666

Display

15.6" HDR 400 FHD (1920x1080) IPS 500nits Anti-glare

Multi-touch

None

Storage

512GB SSD M.2 2280 PCIe NVMe Opal2

RAID

No

Optical

None

WLAN + Bluetooth

Intel AX200 11ax. 2x2 + BT5.1

WWAN

None

SIM Card

None

Smart Card Reader

None

Monitor Cable

None

Bundled Accessories

None

Color

Black Paint

Camera

720p + IR

Kevboard

Backlit

Pen None

Fingerprint Reader

Fingerprint Reader

NFC

None

Color Calibrator

None

TPM

Discrete TPM 2.0

Battery

Integrated 80Wh

Power Adapter

135W Slim Tip

System Management

Intel vPro

Operating System

Windows 10 Pro 64

Bundled Software

None

Warranty

3-year, Depot

Upsell Service Bundles

None

End of Support

2025-08-16

Announce Date

2019-07-16

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 Extreme (2nd Gen) Platform Specifications

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Processor	9th Generation Intel® Core™ i5 / i7 / i9 Processor Processor # of # of Base Max Turbo Cooks Memory Processor									000r	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 Threads	-		quency Cac		emory Types	Proce Grapl		Weight	Non-touch model: starting at 3.75 lb (1.7 kg):
	i5-9300H					1 GHz 8N	_				Case color	Multi-touch model: starting at 4.0 lb (1.81 kg) Black paint (FHD model) or black weave (UHD model)
	i5-9400H 4 8 i7-9750H 6 12			2.5		GHz 8N	IB DD	D4 0000	ntel UHD Graphics			Display cover: CFRP/GFRP hybrid;
	i7-9750H 6 12			2.6		5 GHz 12N 6 GHz 12N	NB DD	H4-2666	630			Bottom: Aluminum alloy
	i9-9880H	8	16	_		3 GHz 16N				Media reader	er Optional: Smart card reader SD Card reader (SD, SDHC, SDXC), supports UHS-II SD card	
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: 4096x2160@60Hz (HDMI)									MI)	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 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 DisplayPort Adapter
Chipset Memory	Mobile Intel CM246 Chipset 64GB max / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets										Monitor cable (optional)	
Display	Size Res	olution		Туре	Surface	Brightness	Asped	Contras Ratio		Viewing Angle		Optional: ThinkPad Ethernet Extension Cable
	15.6" FHD) (1920x1	080)	IPS	Anti-glare	300 nits	16:9	700:1	72% NTSC	170°	Camera (optional,	 I) 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 / dual 360° far-field microphone, headphone / microphone combo jack, Dolby Atmos® sound system 6-row, spill-resistant, multimedia Fn keys, LED backlight
	15.6" HDF	0 (1920x10 R 400, by Vision™	_ ′	IPS	Anti-glare	500 nits	16:9	1200:1	72% NTSC	170°	Audio support	
	15.6" HDF	0 (3840x2 R 400, by Vision	160)	IPS	Anti-glare	500 nits	16:9	1200:1	100% Adobe	170°		
	ПНГ) (3840v2	(3840v2160)			SDR 400ni			1		UltraNav™	TrackPoint® pointing device and buttonless glass surface multi-touch touchpad
		R 500 True by Vision, ti-touch	e Black,	OLED	AR, AS	HDR 500ni (Peak)		100000	:1 100% DCI-P3	% P3 170°	Security Security chip	Power-on password, hard disk password, supervisor password, security keyhole Discrete TPM 2.0, TCG Certified
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture (UHD OLED only),										System Mgt (opt) Intel vPro Technology Fingerprint reader Touch style match on chip fingerprint reader on the keyboard bezel	
Pen	anti-reflection (AR), anti-smudge (AS) coating Supports pen accessory, please see the accessory compatibility for details										Color calibration	Optional: X-Rite Pantone factory color calibration (UHD model only)
Storage	Up to two M.2 SSD										NFC Battery	None Integrated Li-ion 80Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
RAID (optional) Optical	M.2 2280 SSD / PCIe NVMe 3.0 x 4 RAID 0/1 support None										Max battery life	MobileMark® 2014: 14 hr * Battery life varies significantly with settings, usage, & other factors
Ethernet	Native Intel Ethernet Connection I219-V (<i>Non-vPro</i>) or I219-LM (<i>vPro</i>)) via bundled or optional ThinkPad Ethernet Extension Cable										AC adapter Preload	135W slim tip AC adapter Windows® 10 Home 64 or Windows 10 Pro 64
WLAN Bluetooth™	Intel Wireless-AX 22260, Wi-Fi 2x2 802.11ax + Bluetooth 5.1 Bluetooth 5.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter										Limited warranty	One of the following, configurable by model: 1-year depot repair service 3-year/1-yr battery depot repair service
WWAN	None None										3-year/1-yr battery limited onsite service	
SIM card											Mil-Spec test	MIL-STD-810G military testing
											Environment	EPEAT™ Silver; ENERGY STAR® 7.1; RoHS-compliant

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







