## ThinkPad X1 Extreme (2nd Gen) 20QV00CMGE

Product

ThinkPad X1 Extreme (2nd Gen)

Region WE

Country/Region Germany

Machine Type 20QV

TopSeller TopSeller

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

Graphics NVIDIA GeForce GTX 1650 4GB GDDR5

Chipset Intel CM246

Memory 1x 32GB 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

*Multi-touch* 10-point Multi-touch

**Pen** None

Media Reader SD 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

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, 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

**Operating System** Windows 10 Pro 64, German

Bundled Software

Base Warranty 3-year, Depot

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

**EAN / UPC** 0194632268638

End of Support 2025-12-12

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)

Lenovo

Processor	9th Generation Intel <sup>®</sup> Core <sup>™</sup> i5 / i7 / i9 Processor										Dimensions	Dimensions WxDxH (non-touch): 14.24" x 9.67" x 0.72"; 361.8mm x 245.7mm x 18.4mm
	Proce Numb	er Cores	# of Threads	Frequ	uency Fre		Ty	mory pes	Proces Graph		Weight	WxDxH (multi-touch): 14.24" x 9.67" x 0.74"; 361.8mm x 245.7mm x 18.7mm Non-touch model: starting at 3.75 lb / 1.7 kg; Multi-touch model: starting at 4.0 lb / 1.81 kg
	i5-9400H 4 i7-9750H 6 i7-9850H 6		8 8 12	2.4 0 2.5 0 2.6 0	GHz 4. GHz 4.		3 B DDR	4-2666	6 Intel UHD Graphics 630		Case color Bl Case material Di	ase color Black paint (FHD model) or black weave (UHĎ model) ase material Display cover: CFRP/GFRP hybrid; Bottom: Aluminum alloy mart card reader Optional: Smart card reader ledia reader SD Card reader (SD, SDHC, SDXC), supports UHS-II SD card
			12 16			6 GHz 12M 8 GHz 16M					Media reader	
Graphics	Intel UHD Graphics 630 in processor and NVIDIA® GeForce® GTX 1650, 4GB GDDR5 memory; supports external digital monitor via HDMI or Thunderbolt <sup>™</sup> ; supports four independent displays; Max resolution: 5K@60Hz (Thunderbolt); 4K@60Hz (HDMI)										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 VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter
Chipset Memory										sockets	Monitor cable (optional)	
Display	Size	Resolution		Туре	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle		Optional: ThinkPad Ethernet Extension Cable
	15.6"	FHD (1920x	1080)	IPS	Anti-glare	300 nits	16:9	700:1	72% NTSC	170°	Camera (optional	<ul> <li>I) One of the following, configurable by model:</li> <li>HD720p camera with ThinkShutter camera privacy, fixed focus</li> </ul>
	15.6"	FHD (1920x Dolby Vision	1080) ™ HDR	IPS	Anti-glare	500 nits	16:9	1200:1	72% NTSC	170°	Audio support	• IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus HD Audio, Synaptic CX11880 codec /
	15.6"	UHD (3840x Dolby Vision	(2160) 1 HDR	IPS	Anti-glare	500 nits	16:9	1200:1	100% Adobe	170°		stereo speakers, 2W x 2, Dolby <sup>®</sup> Audio™ Premium / dual 360° far-field microphone, headphone / microphone combo jack, Dolby Atmos® sound system
	15.6"	UHD (3840x Dolby Vision Multi-touch		OLED	Anti- reflection Anti- smudge	SDR 400nit, HDR 500nit (peak)	16:9	100000:1	100% DCI-P3	170°	Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, LED backlight TrackPoint® pointing device and buttonless glass surface multi-touch touchpad
Multi-touch <i>(opt)</i> Pen											Security Power-on password, hard disk password, supervisor password, security keyhole Security chip Discrete TPM 2.0, TCG Certified System Mgt ( <i>opt</i> ) Intel vPro Technology Fingerprint reader Touch style match on chip fingerprint reader on the keyboard bezel	
Storage	Up to two M.2 SSD M.2 2280 SSD / PCIe NVMe 3.0 x 4										Color calibration	er Touch style match on chip fingerprint reader on the keyboard bezel <i>Optional:</i> X-Rite Pantone factory color calibration (UHD model only) None
RAID <i>(optional)</i> Optical	RAID 0/1 support None										Battery Max battery life	ery Integrated Li-ion 80Wh battery, supports Rapid Charge (charge up to 80% in 1hr) battery life MobileMark® 2014: 14 hr
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	* Battery life varies significantly with settings, usage, & other factors 135W slim tip AC adapter
WLAN <i>(optional)</i> Bluetooth™	Intel Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth 5.0 Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter											n Windows <sup>®</sup> 10 Home 64 or Windows 10 Pro 64 One of the following, configurable by model:
WWAN SIM card		None None										<ul> <li>1-year depot repair 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
Note: The specifica											Environment	EPEAT™ Silver; ENERGY STAR® 7.1; RoHS-compliant

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

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