



Lenovo ThinkPad X1 Extreme (2nd Gen) Intel® Core™ i5 i5-9300H
39.6 (15.6") HD 16 DDR4-SDRAM 512 SSD
NVIDIA® GeForce® GTX 1650 Max-Q Wi-Fi 6 (802.11ax) Windows
10 Pro



Lenovo

ThinkPad

20QV0012HV

ThinkPad X1 Extreme
(2nd Gen)

Lenovo ThinkPad X1 Extreme (2nd Gen). Intel® Core™ i5, i5-9300H, 2.4. 39.6 (15.6"), HD, 1920 x 1080. 16, DDR4-SDRAM. 512, SSD. NVIDIA® GeForce® GTX 1650 Max-Q. Windows 10 Pro.

General		Connectivity	
Model *		Processor	✓
Model *		Processor Speed	5.2
Model *		NFC	✗
Material	Carbon Fibre Reinforced Polymer (CFRP)	WWAN	Optional
Display		Ports & Expansion	
Screen Size *	39.6 (15.6")	USB 3.2 Gen 1 (3.1 Gen 1) Type-A Port	2
Resolution *	1920 x 1080	USB 3.2 Gen 2 (3.1 Gen 2) Type-C Port	2
Screen Type *	✗	HDMI Port *	1
HD Type	IPS	HDMI Version	2.0
Screen Type	✓	Thunderbolt Port	3.5
Screen Resolution	300 PPI/Inch	Thunderbolt / USB4 Port	✓
Processor		Security	
Processor *	Intel	Security Chip	Intel® CM246
Processor *	Intel® Core™ i5	Security	
Processor	9th gen Intel® Core™ i5	Processor *	✗
Processor *	i5-9300H	Processor	✓
Processor Core	4	Keyboard Type	QWERTZ
Processor Speed	4.1 GHz	Keyboard	Optional
Processor *	2.4 GHz	Security	
Processor	8 GHz	Security	
Processor TDP-down	35 W	Security Bit	64-bit
Memory		Security Chip	Optional
Memory *	16 GB	Windows 11 Support	✗
Memory Type	DDR4-SDRAM	Windows 10 Pro *	Windows 10 Pro
Memory Form Factor	SO-DIMM	Security	
Memory	2x SO-DIMM	SpeedStep	✓
Memory *	64 GB	Clear Video Technology	✓
Memory	Optional	Secure Boot	✓
Storage		Trusted Execution	✗
Storage *	512 GB		

Storage		Security	
Storage *	SSD	Secure Boot (EPT)	✓
SSD	1	TSX-NI	✗
Storage (SSD)	512 GB	SIPP(Stable Image Platform Program)	✗
SSD	M.2	SGX(Software Guard Extensions)	✓
Storage *	✗	64	✓
Storage	✓	Storage	✓
Storage	SD	Storage	✓
Graphics		Performance	
Storage Storage *	NVIDIA® GeForce® GTX 1650 Max-Q	CPU (Cores)	1
Storage Storage	4 GB	Storage Storage	✗
Storage Storage	GDDR5	VT-d(Virtualization Technology for Directed I/O)	✓
Storage Storage *	✗	VT-x(Virtualization Technology)	✓
Storage Storage *	✓	Power	
Storage Storage Storage *	Storage	Storage *	80 Wh(Wh)
Audio		Connectivity	
Storage	Synaptic CX11880	AC Storage Storage	135 Wh
Storage Storage	Dolby Atmos	Security	
Storage Storage	2	Storage Storage	✓
Storage Storage	2 GB	Storage Storage Storage	IBM
Storage Storage	✓	Storage Storage	✓
Storage Storage	2	Storage Storage Storage	✓
Networking		Storage Storage Storage(TPM)	✓
Storage Storage	✓	Storage Storage Storage (TPM) Storage	2.0
Storage Storage Storage	✓	Compliance	
Wireless		Storage Storage Storage	RoHS
Storage Wi-Fi *	Wi-Fi 6 (802.11ax)	Energy	
Storage Storage	Wi-Fi 6 (802.11ax)	Storage Storage	Storage Storage Storage, EPEAT Gold, TCO
Storage Storage Storage *	✗	Performance	
Storage Storage	2x2	Storage Storage	361.8 Wh
WLAN Storage Storage	Intel Wi-Fi 6 AX200	Storage Storage	245.7 Wh
WLAN Storage Storage Storage	Intel	Storage Storage	18.4 Wh
Storage/Storage	✓	Storage *	1.7 Wh
Storage Storage Storage	100,1000 Storage/Storage		

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