

ThinkPad X1 Extreme Gen 3 Platform Specifications

Product Specifications Reference (PSREF)

Processor	10th 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	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics			Weight	<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	
	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	<i>Display cover:</i> CFRP/GFRP hybrid; <i>Bottom:</i> Aluminum alloy			
	i7-10850H			2.7 GHz	5.1 GHz	12MB							
i9-10885H	8	16	2.4 GHz	5.3 GHz	16MB								
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)										Smart card reader	None	
Chipset	Mobile Intel WM490 Chipset										Media reader	SD Card reader, supports UHS-II SD card	
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>										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>	
Display	Size	Resolution	Type	Surface	Touch	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Monitor cable (optional)	• Lenovo HDMI to VGA Monitor Adapter • Lenovo USB-C to VGA Adapter • Lenovo USB-C to DisplayPort Adapter	
	15.6"	FHD (1920x1080)	IPS	Anti-glare	-	300 nits	16:9	700:1	72% NTSC	170°	Bundled Accy	<i>Optional:</i> Lenovo USB-C to Ethernet Adapter	
	15.6"	FHD (1920x1080) Dolby Vision™ HDR	IPS	Anti-glare	-	500 nits	16:9	800:1	72% NTSC	170°	Camera (optional)	• HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus	
	15.6"	UHD (3840x2160) Dolby Vision HDR	IPS	Anti-glare	-	600 nits	16:9	1400:1	100% Adobe	178°	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"	UHD (3840x2160) Dolby Vision HDR	OLED	AR, AS	Multi-touch	SDR 400nit, HDR 540nit (peak)	16:9	100000:1	100% DCI-P3	170°	Keyboard	6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, LED backlight TrackPoint® pointing device and buttonless glass surface multi-touch touchpad	
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture, anti-reflection (AR), anti-smudge (AS) coating										UltraNav™	TrackPoint® pointing device and buttonless glass surface multi-touch touchpad	
Pen (optional)	<ul style="list-style-type: none"> • Lenovo Pen Pro (for multi-touch display) • Pen upgradable (pen needs to be purchased separately) • Not support (non-touch display doesn't support pen input) 										Security Security chip	<ul style="list-style-type: none"> • Power-on password, hard disk password, supervisor password, security keyhole • Firmware TPM 2.0 integrated in chipset • Discrete TPM 2.0 TCG Certified 	
Storage	Up to two M.2 SSD M.2 2280 SSD / PCIe NVMe 3.0 x 4										System Mgt (opt)	Intel vPro Technology	
RAID (optional)	RAID 0/1 support										Fingerprint reader	Touch style match on chip fingerprint reader on the keyboard bezel	
Optical	None										Color calibration	<i>Optional:</i> X-Rite Pantone factory color calibration (UHD model only)	
Ethernet	Gigabit Ethernet connection via optional Lenovo USB-C to Ethernet Adapter										NFC	None	
WLAN + Bluetooth™	Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth™ 5.1 <i>* Intel Wi-Fi 6 full features might be limited by country level restrictions</i> <i>* BT5.1 is supported on Windows 10 version 2004 or above (limited to BT5.0 on earlier version)</i>										Battery	Integrated Li-Polymer 80Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 135W AC adapter	
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>										Max battery life	<i>MobileMark® 2014:</i> 15.6 hr <i>MobileMark 2018:</i> 11.8 hr <i>* Battery life varies significantly with hardware configurations, settings, usage, & other factors</i>	
SIM card	None										AC adapter	135W or 170W slim tip AC adapter (170W for i9-10885H model only)	
											Operating system	<i>Optional:</i> Windows® 10 Home 64 or Windows 10 Pro 64	
											Limited warranty (optional)	<ul style="list-style-type: none"> • 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.

Lenovo
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