

ThinkPad X390 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i3 / i5 / i7 Processor									Dimensions	Models	FHD Non-touch	HD / FHD Multi-touch	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Carbon Fiber		311.9mm x 217.0mm x 16.5mm 12.28" x 8.54" x 0.65"	-		
Graphics	i3-8145U	4	8	2.1 GHz	3.9 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	-	Weight	PPS	312.0mm x 217.2mm x 16.9mm 12.28" x 8.55" x 0.67"	312mm x 217.2mm x 16.9mm 12.28" x 8.55" x 0.67"	
	i5-8265U			1.6 GHz	3.9 GHz	6MB					Models	FHD Non-touch	HD	FHD Multi-touch
	i5-8365U			1.6 GHz	4.1 GHz	6MB					Carbon Fiber	2.70 lb / 1.22 kg	-	-
	i7-8565U			1.8 GHz	4.6 GHz	8MB					PPS	2.85 lb / 1.29 kg	2.93 lb / 1.33 kg	2.84 lb / 1.28 kg
	i7-8665U			1.8 GHz	4.8 GHz	8MB								
Chipset	Intel SoC (System on Chip) platform									Case color	Black			
Memory	8GB, 16GB or 32GB / 2400MHz DDR4 / soldered to systemboard, no sockets									Case material	Display cover: Carbon Fiber (FHD non-touch only) or PPS; Bottom: Magnesium/Aluminum			
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Smart card reader	Optional: Smart card reader			
Multi-touch (opt)	13.3"	HD (1366x768)	TN	Anti-glare	250 nits	16:9	300:1	45%	170°	Media reader	MicroSD card reader, in the combo slot with nano-SIM card			
	13.3"	FHD (1920x1080)	IPS	Anti-glare	300 nits	16:9	1200:1 (non-touch) 700:1 (multi-touch)	72%	170°	Ports	Two USB 3.1 Gen 1 (one Always On), USB 3.1 Type-C Gen 1, USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet extension connector, combo slot of nano-SIM card (WWAN models) and microSD card reader, side docking connector, security keyhole			
	13.3"	FHD (1920x1080) ThinkPad Privacy Guard	IPS	Anti-glare	400 nits	16:9	1000:1	72%	178°	Monitor cable (optional)	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			
	On-cell touch, supports 10-finger gesture (FHD only)									Camera (optional)	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			
Storage	<ul style="list-style-type: none"> M.2 2280 SSD / SATA 6.0Gb/s M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2 None									Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 1W x 2, Dolby® Audio™ Premium / dual array far-field microphone, headphone / microphone combo jack			
Optical	None									Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight			
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2									UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad			
WLAN (optional)	One of the following, configurable by model: • Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 4.2 • Intel Wireless-AX 22260, Wi-Fi 2x2 802.11ax + Bluetooth 4.2									Security	Power-on password, hard disk password, supervisor password, security keyhole			
Bluetooth™	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter * WLAN card support Bluetooth 5.0 but is limited to Bluetooth 4.2 by Windows OS									Security chip vPro (optional)	Discrete TPM 2.0, TCG Certified			
WWAN (optional)	One of the following, configurable by model: • Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only) • Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card * For non-WWAN model, it means the model is NOT WWAN upgradable									vPro (optional)	Intel vPro Technology			
										Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest			
										NFC (optional)	Near Field Communication			
										Battery	Integrated Li-ion 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter			
										Max battery life	MobileMark® 2014: 17.6 hr * Battery life varies significantly with settings, usage, & other factors			
										AC adapter	45W or 65W USB Type-C AC adapter			
										Preload	Windows® 10 Home 64 or Windows 10 Pro 64			
										Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service			
										Mil-Spec test	MIL-STD-810G military certification			
										Environment	EPEAT™ Bronze; ENERGY STAR® 7.0; RoHS-compliant			

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

Lenovo
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