

# ThinkPad X13 Gen 1 (AMD) Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD Ryzen™ PRO 4000 Series Mobile Processors									Smart card reader	Optional: Smart card reader	
	Processor Number	# of Cores	# of Threads	Base Clock	Max Boost Clock	Cache	Memory Controller	Processor Graphics		Media reader	MicroSD card reader, in the combo slot with nano-SIM card	
	Ryzen 3 PRO 4450U	4	8	2.5 GHz	3.7 GHz	2MB L2 / 4MB L3	DDR4-3200	AMD Radeon™ Graphics		Ports	Two USB 3.2 Gen 1 (Always On), two USB 3.2 Type-C Gen 2 (w/ the function of Power Delivery and DisplayPort 1.4), HDMI 2.0, Ethernet extension connector, combo slot of nano-SIM card (WWAN models) and microSD card reader, headphone / microphone combo jack, optional smart card reader, side docking connector, security keyhole	
	Ryzen 5 PRO 4650U	6	12	2.1 GHz	4.0 GHz	3MB L2 / 8MB L3						* Depending on many factors, actual data transfer speed may be lower than theoretical speed
	Ryzen 7 PRO 4750U	8	16	1.7 GHz	4.1 GHz	4MB L2 / 8MB L3						• Lenovo HDMI to VGA Monitor Adapter • Lenovo USB-C to VGA Adapter • Lenovo USB-C to DisplayPort Adapter
Graphics	AMD Radeon Graphics in processor; supports up to 4 independent displays via native display and 3 external monitors; supports external monitors via HDMI (up to 4K@60Hz) or USB Type-C (up to 5K@60Hz)									Monitor cable (optional)	Optional: ThinkPad Ethernet Extension Adapter Gen 2	
Chipset	AMD SoC (System on Chip) platform									Camera (optional)	• HD720p camera with ThinkShutter camera privacy, fixed focus	
Memory	8GB, 16GB, or 32GB / 3200MHz DDR4 / soldered to systemboard, no sockets									Audio support	• IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus HD Audio, Realtek® ALC3287 codec / Dolby® Audio speaker system, 1W x 2 / optional dual array far-field microphone, headphone / microphone combo jack	
Display	Size	Resolution	Type	Surface	Touch	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Keyboard	6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, optional LED backlight
	13.3"	HD (1366x768)	TN	Anti-glare	-	250 nits	16:9	300:1	45%	90°	UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
	13.3"	FHD (1920x1080)	WVA	Anti-glare	-	300 nits	16:9	800:1	72%	170°	Security	Power-on password, hard disk password, supervisor password, security keyhole
	13.3"	FHD (1920x1080)	WVA	Anti-glare	Multi-touch	300 nits	16:9	700:1	72%	170°	Security chip	Discrete TPM 2.0 TCG Certified
	13.3"	FHD (1920x1080) ThinkPad Privacy Guard	WVA	Anti-glare	-	500 nits	16:9	1000:1	72%	170°	System Mgt	DASH Management
Multi-touch (opt)	On-cell touch, supports 10-finger gesture									Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest	
Storage	<ul style="list-style-type: none"> <li>M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2</li> <li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4</li> </ul>									NFC	None	
Optical	None									Battery	Integrated Li-Polymer 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter	
Ethernet	Native Realtek® RTL8111EPV Gigabit Ethernet connection via optional ThinkPad Ethernet Extension Adapter Gen 2									Max battery life	MobileMark® 2014: 12.8 hr MobileMark 2018: 10.35 hr * Battery life varies significantly with hardware configurations, settings, usage, & other factors	
WLAN + BT	Intel Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth™ 5.1									AC adapter	<ul style="list-style-type: none"> <li>45W USB-C AC adapter</li> <li>65W USB-C AC adapter</li> <li>65W USB-C slim AC adapter</li> </ul>	
WWAN (optional)	<ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card</li> </ul> <p>* For non-WWAN model, it means the model is NOT WWAN upgradable</p>									Operating system	Optional: Windows® 10 Home 64 or Windows 10 Pro 64	
SIM card (opt)	Gemalto eSIM									Limited warranty (optional)	<ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>1-year depot with 2-year system board repair service</li> <li>1-year limited onsite service</li> <li>1-year + 2-year depot repair service</li> <li>1-year + 2-year limited onsite service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>	
Dimensions	WxDxH: 12.28" x 8.55" x 0.67"; 311.9mm x 217.2mm x 16.9mm									Mil-Spec test	MIL-STD-810G military testing	
Weight	Models	HD	FHD Non-touch	FHD Touch	FHD Privacy Guard					Environment	EPEAT™ Silver; ENERGY STAR® 8.0; TCO Certified; RoHS-compliant	
	Weight	2.85 lb / 1.29 kg	2.85 lb / 1.29 kg	2.84 lb / 1.28 kg	2.85 lb / 1.29 kg							
Case color	Black											
Case material	Display cover: PPS/GF; Bottom: Magnesium/Aluminum											

Note: The specifications above may not be available in all regions and might change by regions.

Lenovo  
July 2020