ThinkPad X13 Gen 1 (Intel) Platform Specifications

Processor	10th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-10110U	2	4	2.1 GHz	4.1 GHz	4MB		
i5-10210U			1.6 GHz	4.2 GHz	6MB		
i5-10310U	4	8	1.7 GHz	4.4 GHz	6MB	DDR4-2666	Intel UHD Graphics
i7-10510U			1.8 GHz	4.9 GHz	8MB		
i7-10610U			1.8 GHz	4.9 GHz	8MB		

Graphics	Intel UHD Graphics in processor; supports up to 3 independent displays via native display and two external monitors; supports external monitors via HDMI (up to 4096x2160@24Hz), USB-C (up to 4096x2304@60Hz) or Thunderbolt (up to 4096x2304@60Hz)
Chipset	Intel SoC (System on Chip) platform
Memory	8GB, 16GB or 32GB / 2666MHz DDR4 / soldered to systemboard, no sockets * Installed memory is actually 3200MHz but run at 2666MHz due to Intel limitation

Display

Size	Resolution	Type	Surface	Touch	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle
13.3"	HD (1366x768)	TN	Anti-glare	-	250 nits	16:9	300:1	45%	170°
13.3"	FHD (1920x1080)	WVA	Anti-glare	-	300 nits	16:9	800:1	72%	170°
13.3"	FHD (1920x1080)	WVA	Anti-glare	Multi-touch	300 nits	16:9	700:1	72%	170°
13.3"	FHD (1920x1080) ThinkPad Privacy Guard	WVA	Anti-glare	-	500 nits	16:9	1000:1	72%	170°

Multi-touch *(opt)*	On-cell touch, supports 10-finger gesture
Storage	• M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 • M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 • Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4
Optical	None
Ethernet	Native Intel Ethernet Connection I219-V (*Non-vPro*) or I219-LM (*vPro*) via optional ThinkPad Ethernet Extension Adapter Gen 2
WLAN + Bluetooth™ *(opt)*	Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth 5.0 * Intel AX201 card supports BT5.1 but is limited to BT5.0 by Windows OS
WWAN *(optional)*	• Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE, Quectel EM05CEFC, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card * For non-WWAN model, it means the model is NOT WWAN upgradable
SIM card *(opt)*	Gemalto eSIM

Dimensions

Models	FHD Non-touch	HD / FHD Multi-touch / Privacy Guard
Carbon Fiber	311.9mm x 217.0mm x 16.5mm 12.28" x 8.54" x 0.65"	-
PPS	312.0mm x 217.2mm x 16.9mm 12.28" x 8.55" x 0.67"	311.9mm x 217.2mm x 16.9mm 12.28" x 8.55" x 0.67"

Weight

Models	FHD Non-touch	HD	FHD Multi-touch / Privacy Guard
Carbon Fiber	2.70 lb / 1.22 kg	-	-
PPS	2.85 lb / 1.29 kg	2.93 lb / 1.33 kg	2.84 lb / 1.28 kg

Case color	Black
Case material	*Display cover:* Carbon Fiber (FHD non-touch only) or PPS; *Bottom:* Magnesium/Aluminum

Smart card reader	*Optional:* Smart card reader
Media reader	MicroSD card reader, in the combo slot with nano-SIM card
Ports	Two USB 3.2 Gen 1 (one Always On), one USB 3.2 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.2 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP), HDMI 1.4b, 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 * Depending on many factors, actual data transfer speed may be lower than theoretical speed
Monitor cable *(optional)*	• Lenovo HDMI to VGA Monitor Adapter • Lenovo USB-C to VGA Adapter • Lenovo USB-C to DisplayPort Adapter
Bundled Accy	*Optional:* ThinkPad Ethernet Extension Adapter Gen 2
Camera *(optional)*	• HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus
Audio support	HD Audio, Realtek® ALC3287 codec / Dolby® Audio speaker system, 1W x 2 / optional dual array far-field microphone, headphone / microphone combo jack
Keyboard	6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, optional LED backlight
UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	• Firmware TPM 2.0 integrated in chipset • Discrete TPM 2.0 TCG Certified
System Mgt *(opt)*	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-Polymer 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
Max battery life	*MobileMark® 2014:* 15.9 hr *MobileMark 2018:* 10.45 hr * Battery life varies significantly with hardware configurations, settings, usage, & other factors
AC adapter	• 45W USB-C AC adapter • 65W USB-C AC adapter • 65W USB-C slim AC adapter
Operating system	*Optional:* Windows® 10 Home 64 or Windows 10 Pro 64
Limited warranty	• 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.