

# ThinkPad X13 Gen 1 (Intel) 20T20033GE

## Product

ThinkPad X13 Gen 1 (Intel)

## Region

WE

## Country/Region

Germany

## Machine Type

20T2

## TopSeller

TopSeller

## Processor

Intel Core i5-10210U (4C / 8T, 1.6 / 4.2GHz, 6MB)

## Graphics

Integrated Intel UHD Graphics

## Chipset

Intel SoC Platform

## Memory

16GB Soldered DDR4-2666

## Storage

512GB SSD M.2 2280 PCIe NVMe Opal2

## Display

13.3" FHD (1920x1080) WVA 300nits Anti-glare

## Touchscreen

None

## Media Reader

MicroSD Reader

## Ethernet

100/1000M via Optional Adapter

## Optical

None

## WLAN + Bluetooth

Intel AX201 11ax, 2x2 + BT5.0

## WWAN

Fibocom L850-GL

## SIM Card

None

## Smart Card Reader

Smart Card Reader

## Monitor Cable

None

## Bundled Accessories

None

## Case Material

PPS (Top), Magnesium / Aluminum (Bottom)

## Camera

720p + IR with ThinkShutter

## Microphone

2x, Array

## Color

Black

## Keyboard

Backlit, German

## Fingerprint Reader

Touch Style, Match-on-Chip

## NFC

None

## TPM

Discrete TPM 2.0

## Battery

Integrated 48Wh

## Power Adapter

65W USB-C

## System Management

None

## Operating System

Windows 10 Pro 64, German

## Bundled Software

None

## Base Warranty

3-year, Depot

## Bundled Service

None

## EAN / UPC / JAN

0194778781060

## End of Support

2026-12-05

## Announce Date

2020-05-22

## Recommended Services

### Best

5Y Premier Support Upgrade from 3Y Depot/CCI (5WS0T36204)

### Better

4Y Premier Support Upgrade from 3Y Depot/CCI (5WS0T36185)

### Good

3Y Premier Support Upgrade from 3Y Depot/CCI (5WS0T36152)

## Notes:

**Battery life** is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences.

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# ThinkPad X13 Gen 1 (Intel) Platform Specifications

Product Specifications Reference (PSREF)



Processor	10th Generation Intel® Core™ i3 / i5 / i7 Processor										Smart card reader Media reader Ports	<i>Optional:</i> Smart card reader MicroSD card reader, in the combo slot with nano-SIM card 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 <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>
	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	DDR4-2666	Intel UHD Graphics				
	i5-10210U	4	8	1.6 GHz	4.2 GHz	6MB						
	i5-10310U			1.7 GHz	4.4 GHz	6MB						
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)										Monitor cable (optional)	<ul style="list-style-type: none"> <li>Lenovo HDMI to VGA Monitor Adapter</li> <li>Lenovo USB-C to VGA Adapter</li> <li>Lenovo USB-C to DisplayPort Adapter</li> </ul>
Chipset	Intel SoC (System on Chip) platform										Camera (optional)	<ul style="list-style-type: none"> <li>HD720p camera with ThinkShutter camera privacy, fixed focus</li> <li>IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus</li> </ul>
Memory	8GB, 16GB or 32GB / 2666MHz DDR4 / soldered to systemboard, no sockets <i>* Installed memory is actually 3200MHz but run at 2666MHz due to Intel limitation</i>										Audio support	<ul style="list-style-type: none"> <li>HD Audio, Realtek® ALC3287 codec / Dolby® Audio speaker system, 1W x 2 / optional dual array far-field microphone, headphone / microphone combo jack</li> </ul>
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 UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad	
	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										Security chip	<ul style="list-style-type: none"> <li>Power-on password, hard disk password, supervisor password, security keyhole</li> <li>Firmware TPM 2.0 integrated in chipset</li> <li>Discrete TPM 2.0 TCG Certified</li> </ul>
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> <li>Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4</li> </ul>										Battery	Integrated Li-Polymer 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter MobileMark® 2014: 15.9 hr MobileMark 2018: 10.45 hr <i>* Battery life varies significantly with hardware configurations, settings, usage, &amp; other factors</i>
Optical	None										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>
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Adapter Gen 2										Operating system	<i>Optional:</i> Windows® 10 Home 64 or Windows 10 Pro 64
WLAN + Bluetooth™ (opt)	Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth 5.0 <i>* Intel AX201 card supports BT5.1 but is limited to BT5.0 by Windows OS</i>										Limited warranty	<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>
WWAN (optional)	<ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE, Quectel EM05CEFC, M.2 card</li> <li>Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card</li> <li>Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card</li> </ul> <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>										Mil-Spec test	MIL-STD-810G military testing
SIM card (opt)	Gemalto eSIM										Environment	EPEAT™ Gold; ENERGY STAR® 8.0; TCO Certified; RoHS-compliant
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											

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

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