# ThinkPad X13 Gen 1 (Intel) 20T2003TGE

***Product***
ThinkPad X13 Gen 1 (Intel)

***Region***
WE

***Country/Region***
Germany

***Machine Type***
20T2

***TopSeller***
TopSeller

***Processor***
Intel Core i7-10510U (4C / 8T, 1.8 / 4.9GHz, 8MB)

***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) IPS 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***
0194778780117

***End of Support***
2026-12-05

***Announce Date***
2020-05-22

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***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

| 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)

**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 | Bright-ness | 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) | IPS | Anti-glare | - | 300 nits | 16:9 | 800:1 | 72% | 170° |
| 13.3" | FHD (1920x1080) | IPS | Anti-glare | Multi-touch | 300 nits | 16:9 | 700:1 | 72% | 170° |
| 13.3" | FHD (1920x1080) ThinkPad Privacy Guard | IPS | 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-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 Card

**Dimensions**

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

Work in progress

**Environment**

EPEAT™ Gold; ENERGY STAR® 8.0; TCO Certified; RoHS-compliant

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

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