# ThinkPad X1 Yoga (4th Gen) 20QF00AEGE

**Product**
ThinkPad X1 Yoga (4th Gen)

**Region**
WE

**Country**
Germany

**Machine Type**
20QF

**TopSeller**
TopSeller

**Processor**
Core i7-8565U (4C / 8T, 1.8 / 4.6GHz, 8MB)

**Graphics**
Integrated Intel UHD Graphics 620

**Chipset**
Intel SoC Platform

**Memory**
16GB Soldered LPDDR3-2133

**Display**
14" WQHD (2560x1440) IPS 280nits Glossy

**Multi-touch**
10-point Multi-touch

**Storage**
512GB SSD M.2 2280 PCIe NVMe Opal2

**Optical**
None

**WLAN + Bluetooth**
Intel 9560 11ac, 2x2 + BT5.0

**WWAN**
Fibocom L850-GL

**Smart Card Reader**
None

**Monitor Cable**
None

**Bundled Accessories**
ThinkPad Ethernet Extension Adapter Gen 2

**Color**
Iron Gray

**Case Material**
Aluminum

**Camera**
720p + IR

**Keyboard**
Backlit

**Pen**
ThinkPad Pen Pro

**Fingerprint Reader**
Fingerprint Reader

**NFC**
NFC

**TPM**
Discrete TPM 2.0

**Battery**
Integrated 51Wh

**Power Adapter**
65W USB-C

**System Management**
None

**Operating System**
Windows 10 Pro 64

**Bundled Software**
None

**Warranty**
3-year, Depot

**Upsell Service Bundles**
3Y Onsite upgrade from 3Y Depot/CCI (5WS0E97271)

**End of Support**
2025-08-09

**Announce Date**
2019-07-09

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 X1 Yoga (4th Gen) Platform Specifications



**Processor**

8th Generation Intel® Core™ i5 / i7 Processor

| Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics |
|---|---|---|---|---|---|---|---|
| i5-8265U | 4 | 8 | 1.6 GHz | 3.9 GHz | 6MB | LPDDR3-2133 | Intel UHD Graphics 620 |
| i5-8365U | | | 1.6 GHz | 4.1 GHz | 6MB | | |
| i7-8565U | | | 1.8 GHz | 4.6 GHz | 8MB | | |
| i7-8665U | | | 1.9 GHz | 4.8 GHz | 8MB | | |

**Graphics**

Intel UHD Graphics 620 in processor;
supports external digital monitor via HDMI or USB Type-C / Thunderbolt;
supports three independent displays;
Max resolution: 5120x2880@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)

**Chipset**

Intel SoC (System on Chip) platform

**Memory**

8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets

**Display**

| Size | Resolution | Type | Surface | Brightness | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle |
|---|---|---|---|---|---|---|---|---|
| 14.0" | FHD (1920x1080) Low Power | IPS | Glossy | 380 nits | 16:9 | 800:1 | 72% | 170° |
| 14.0" | FHD (1920x1080) ThinkPad Privacy Guard | IPS | Glossy | 380 nits | 16:9 | 1000:1 | 72% | 170° |
| 14.0" | WQHD (2560x1440) | IPS | Glossy | 280 nits | 16:9 | 800:1 | 72% | 170° |
| 14.0" | UHD (3840x2160) Dolby Vision™ HDR400 | IPS | Glossy | 470 nits | 16:9 | 1400:1 | 90% | 170° |

**Multi-touch**

Capacitive-type multi-touch, AR (anti-reflection), AS (anti-smudge), supports 10-finger gesture

**Hinge**

Yoga hinge, 360 degree

**Convert-mode**

Laptop, tent, stand, and tablet

**Pen**

ThinkPad Pen Pro, active pen for multi-touch display, on-board rechargeable

**Storage**

*One of the following, configurable by model:*

- M.2 2280 SSD / SATA 6.0Gb/s
- 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

**Optane™ Memory**

Intel Optane Memory H10

**Optical**

None

**Ethernet**

Native Intel Ethernet Connection I1219-LM (*vPro*) or I1219-V (*Non-vPro*) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2

**WLAN**

Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card

**Bluetooth™**

Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

**WWAN *(optional)***

*One of the following, configurable by model:*

- 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

**SIM card *(opt)***

Nano-SIM card slot, optional Verizon LTE (US) SIM card

**Dimensions**

*WxDxH:* 12.71" x 8.58" x 0.61"; 323mm x 218mm x 15.5mm

**Weight**

Starting at 2.99 lb (1.36kg)

**Case color**

Iron Gray

**Case material**

*Display cover:* Aluminium;
*Bottom:* Magnesium

**Smart card reader**

None

**Media reader**

None

**Ports**

Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of Power Delivery and DisplayPort), HDMI 1.4b, Ethernet extension connector, nano-SIM card slot (WWAN models), headphone / microphone combo jack, side docking connector, security keyhole

** Depending on many factors, actual data transfer speed may be lower than theoretical speed*

**Monitor cabl**

*Optional*: Lenovo HDMI to VGA Monitor Adapter

**Bundled Accy**

*Optional*: ThinkPad Ethernet Extension Adapter Gen 2

**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

**Audio support**

HD Audio, Realtek® ALC1012L codec,
Stereo speakers, 2W x 2, 0.8W x 2, Dolby® Audio™ Atmos /
Quad array far-field microphones, headphone / microphone combo jack

**Keyboard**

6-row, spill-resistant, multimedia Fn keys, LED backlight

**UltraNav™**

TrackPoint® pointing device and buttonless Glass surface multi-touch touchpad

**Security**

Power-on password, hard disk password, supervisor password, security keyhole

**Security chip**

Discrete TPM 2.0 TCG Certified

**System Mgt**

*Optional*: Intel vPro Technology

**Fingerprint reader**

Touch style match on chip fingerprint reader on the palm rest

**NFC**

*Optional*: Near Field Communication

**Battery**

Integrated Li-Ion 51Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter

**Max battery life**

*MobileMark® 2014:* 18.1 hrs

** Battery life varies significantly with settings, usage, & other factors*

**AC adapter**

45W or 65W USB Type-C AC adapter

**G-sensor**

3D accelerometer

**Gyroscope**

3D gyrometer

**GPS**

GPS function is integrated into WWAN module

**Preload**

*One of the following, configurable by model:*

- Windows® 10 Pro 64
- Windows 10 Home 64

**Limited warranty**

*One of the following, configurable by model:*

- 1-year depot repair service
- 3-year/1-yr battery depot repair service

**Mil-Spec test**

MIL-STD-810G military testing

**Environment**

EPEAT™ Silver; ENERGY STAR® 7.1; RoHS-compliant

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