ThinkPad X1 Yoga (4th Gen) 20QF0020GE

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
8GB Soldered LPDDR3-2133

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

Multi-touch
10-point Multi-touch

Storage
256GB 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

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
None

End of Support
2025-07-18

Announce Date
2019-06-18

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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