ThinkPad X1 Yoga (3rd Gen) 20LF000U++

Region
EMEA

Machine Type
20LF

TopSeller
TopSeller

Processor
Core i7-8550U (4C, 1.8 / 4.0GHz, 8MB)

vPro
No

Graphics
Integrated Intel UHD Graphics 620

Memory
16GB Soldered

Display
14" HDR WQHD (2560x1440) IPS

Multi-touch
10-point Multi-touch

Storage
512GB SSD M.2 PCIe NVMe Opal2

Optical
None

WLAN + Bluetooth
Intel 8265 ac, 2x2 + BT4.1

WWAN
Fibocom L850-GL

SIM Card
None

Dock
None

Monitor Cable
None

Adapter
ThinkPad Ethernet Extension Cable

Color
Silver

Camera
720p

Keyboard
Backlit

Pen
ThinkPad Pen Pro

Fingerprint Reader
Fingerprint Reader

NFC
NFC

Battery
54Wh

Power Adapter
65W USB-C

Operating System
Windows 10 Pro 64

Warranty
3-year, Onsite

Global
No

End of Support
May 10, 2024

Ann Date (mm/yy)
04/18

Note:
Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "**" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries

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ThinkPad X1 Yoga (3rd Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor

8th Generation Intel® Core™ i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	LPDDR3-2133	Intel UHD Graphics 620
i5-8350U			1.7 GHz	3.6 GHz	6MB		
i7-8550U			1.8 GHz	4.0 GHz	8MB		
i7-8650U			1.9 GHz	4.2 GHz	8MB		

Graphics
Intel UHD Graphics 620 in processor;
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 5120x2880@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)

Chipset
Intel SoC (System on Chip) platform

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

Display
Some: 14.0" (355mm) FHD (1920x1080), LED backlight, 270 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS
Some: 14.0" (355mm) WQHD (2560x1440), LED backlight, 270 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle, IPS
Some: 14.0" (355mm) HDR WQHD (2560x1440) with Dolby Vision™, LED backlight, 500 nits, 16:9 aspect ratio, 1500:1 contrast ratio, 100% gamut, 170° viewing angle, IPS

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 *(optional)*
ThinkPad Pen Pro, active pen for multi-touch display, on-board rechargeable

Storage
Some: M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)

Optical
None

Ethernet
Native Intel Ethernet Connection WGI219-LM (*vPro*)
via optional ThinkPad Ethernet Extension Cable

WLAN
Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card
** Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS*

Bluetooth™
Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN *(optional)*
Integrated Mobile Broadband 4G LTE-A,
Intel XMM™ 7360 (Fibocom L850-GL), M.2 card

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

Dimensions
WxDxH: 13.11" x 9.02" x 0.67"; 333mm x 229mm x 17.05mm

Weight
Starting at 3.08 lb (1.4kg)

Case color
Black or silver

Case material
Display cover: Carbon-Fiber and Glass-Fiber hybrid;
Bottom: magnesium-PPS hybrid

Smart card reader
None

Media reader
MicroSD card reader, supports UHS-II

Ports
Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4, Ethernet extension connector, nano-SIM card slot (WWAN models), headphone / microphone combo jack, microSD card reader

WiGig dock
None

Monitor cable *(optional)*
HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter
USB-C to VGA: Lenovo USB-C to VGA Adapter
USB-C to DP: Lenovo USB-C to DisplayPort Adapter

Camera *(optional)*
One of the following, configurable by model:
720p: HD720p camera with ThinkShutter camera privacy, fixed focus
IR & 720p: IR camera and HD720p camera, fixed focus
** WWAN models and HDR panel models can not support IR camera*

Audio support
HD Audio, Realtek® ALC3286 codec, Dolby® Audio™ Premium / stereo speakers, 1W x 2 / dual array microphone, headphone / microphone combo jack, Dolby® Atmos™ via headphones

Keyboard
6-row wave keyboard (rise & fall), spill-resistant, multimedia Fn keys, LED backlit

UltraNav™
TrackPoint® pointing device and 3+2 buttons multi-touch clickpad

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

Security chip
Discrete TPM 2.0 TCG Certified

vPro *(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 54Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter

Max battery life
MobileMark® 2014: 15.4 hr

AC adapter
45W or 65W USB Type-C AC adapter

Light sensor
Ambient Light Sensor

G-sensor
3D accelerometer and 3D magnetometer

Compass
None

Gyroscope
3D gyrometer

Preload
Windows 10 Pro 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 certification

Environment
EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

Lenovo
February 2018

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