ThinkPad X390 Yoga 20NN00FDMC

Product
ThinkPad X390 Yoga

Region
EET

Country/Region
Czech Republic

Machine Type
20NN

TopSeller
TopSeller

Processor
Intel Core i5-8265U (4C / 8T, 1.6 / 3.9GHz, 6MB)

Graphics
Integrated Intel UHD Graphics 620

Chipset
Intel SoC Platform

Memory
8GB Soldered DDR4-2400

Storage
256GB SSD M.2 2280 PCIe NVMe Opal2

Display
13.3" FHD (1920x1080) IPS 300nits AR (anti-reflection)

Touchscreen
10-point Multi-touch

Pen
ThinkPad Pen Pro (Garaged)

Media Reader
MicroSD card reader

Ethernet
100/1000M via Optional Adapter

Optical
None

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

WWAN
None

SIM Card
None

Smart Card Reader
Smart Card Reader

Monitor Cable
None

Bundled Accessories
None

Case Material
CF Hybrid PA + 50% GF

Camera
720p + IR with ThinkShutter

Microphone
2x, Array

Color
Black

Keyboard
Backlit, Czech / Slovak

Fingerprint Reader
Touch Style, Match-on-Chip

NFC
None

TPM
Discrete TPM 2.0

Battery
Integrated 50Wh

Power Adapter
65W USB-C

System Management
None

Operating System
Windows 10 Pro 64, Czech / English

Bundled Software
None

Base Warranty
3-year, Depot

Bundled Service
3Y Onsite upgrade from 3Y Depot/CCI (5WS0E97271)

EAN / UPC / JAN
0193638788393

End of Support
2025-08-23

Announce Date
2019-07-23

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 X390 Yoga Platform Specifications

Product Specifications Reference (PSREF)

Lenovo

Processor	8th Generation Intel® Core™ i5 / i7 Processor						
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types
	i5-8265U			1.6 GHz	3.9 GHz	6MB	
	i5-8365U			1.6 GHz	4.1 GHz	6MB	
	i7-8565U	4	8	1.8 GHz	4.6 GHz	8MB	DDR4-2400
	i7-8665U			1.9 GHz	4.8 GHz	8MB	

Processor Graphics: Intel UHD Graphics 620

Graphics
Intel UHD Graphics 620 in processor;
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 4096x2304@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)

Chipset Intel SoC (System on Chip) platform
Memory 8GB or 16GB / 2400MHz DDR4 / soldered to systemboard, no sockets
* Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation

Display

Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle
13.3"	FHD (1920x1080)	IPS	Anti-reflection	300 nits	16:9	800:1	72%	170°

Multi-touch Capacitive-type multi-touch, supports 10-finger gesture, anti-reflection (AR), AS (anti-smudge), could reduce the brightness by up to 10%
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
• M.2 2280 SSD / SATA 6.0Gb/s
• 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 bundled or optional ThinkPad Ethernet Extension Adapter Gen 2

WLAN (optional) *One of the following, configurable by model:*
• Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0
• Intel Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth 5.0
Bluetooth™ (opt) 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, Fibocom L830-EB, M.2 card (EMEA only)
• Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card
* For non-WWAN model, it means the model is NOT WWAN upgradable

SIM card (opt) Nano-SIM card slot, optional Verizon LTE (US) SIM card for special bid only

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Dimensions *WxDxH:* 12.22" x 8.62" x 0.63"; 310.4mm x 219mm x 15.95mm
Weight Starting at 2.85 lb /1.29 kg
Case color Black or silver (silver is NOT available in EMEA)
Case material *Display cover:* CF Hybrid PA + 50% GF
Bottom: CF Hybrid PA + 50% GF

Smart card reader *Optional:* Smart card reader
Media reader MicroSD card reader
Ports Two USB 3.1 Gen 1 (one Always On),
one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort),
one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP),
HDMI 1.4b, Ethernet extension connector, nano-SIM card slot (WWAN models),
headphone / microphone combo jack, optional smart card reader,
microSD card reader, side docking connector, security keyhole
* Depending on many factors, actual data transfer speed may be lower than theoretical speed

Monitor cable *HDMI to VGA:* Lenovo HDMI to VGA Monitor Adapter
(optional) *USB-C to VGA:* Lenovo USB-C to VGA 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® ALC3287 codec /
stereo speakers, 1W x 2, Dolby® Audio™ Premium /
dual array far-field microphone, headphone / microphone combo jack

Keyboard 6-row, spill-resistant, multimedia Fn keys, 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 or discrete TPM 2.0 TCG Certified (may be disabled in some region)
System Mgt (opt) 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 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
Max battery life *MobileMark® 2014:* 14.5 hr
* Battery life varies significantly with settings, usage, & other factors
AC adapter • 45W USB-C AC adapter
• 65W USB-C AC adapter
• 65W slim tip AC adapter

Light sensor None
G-sensor 3D accelerometer
Gyroscope 3D gyrometer

Operating system *Optional:* Windows® 10 Home 64 or Windows 10 Pro 64

Limited warranty
(optional)
• 1-year depot repair service
• 1-year depot with 2-year system board repair service
• 1-year/3-yr battery depot 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/3-yr battery depot repair service
• 3-year/1-yr battery limited onsite service
• 3-year/3-yr battery limited onsite service

Mil-Spec test MIL-STD-810G military testing

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

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

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