

# ThinkPad X390 Yoga 20NN00FBMC

**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**

512GB 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**

Fibocom L830-EB

**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**

0193638788553

**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)



Processor	8th Generation Intel® Core™ i5 / i7 Processor									Dimensions <i>WxDxH:</i> 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 <i>Display cover:</i> CF Hybrid PA + 50% GF <i>Bottom:</i> CF Hybrid PA + 50% GF
	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	DDR4-2400	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; supports three independent displays; Max resolution: 4096x2304@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)									
Chipset Memory	Intel SoC (System on Chip) platform 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	Smart card reader <i>Optional:</i> 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 <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i> Monitor cable <i>(optional)</i> HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter Bundled Accy <i>Optional:</i> ThinkPad Ethernet Extension Adapter Gen 2
	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	<ul style="list-style-type: none"> <li>M.2 2280 SSD / SATA 6.0Gb/s</li> <li>M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2</li> <li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4</li> <li>Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4</li> </ul>									
Optical	None									
Ethernet	Native Intel Ethernet Connection I219-V ( <i>Non-vPro</i> ) or I219-LM ( <i>vPro</i> ) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2									
WLAN ( <i>optional</i> )	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0</li> <li>Intel Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth 5.0</li> </ul>									
Bluetooth™ ( <i>opt</i> )	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									
WWAN ( <i>optional</i> )	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only)</li> <li>Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card</li> </ul> <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>									
SIM card ( <i>opt</i> )	Nano-SIM card slot, optional Verizon LTE (US) SIM card for special bid only									
	Camera ( <i>optional</i> ) <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>HD720p camera with ThinkShutter camera privacy, fixed focus</li> <li>IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus</li> </ul>									
	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 ( <i>opt</i> ) Intel vPro Technology Fingerprint reader Touch style match on chip fingerprint reader on the palm rest NFC ( <i>optional</i> ) 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 <i>MobileMark® 2014:</i> 14.5 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>									
	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 <i>Optional:</i> Windows® 10 Home 64 or Windows 10 Pro 64									
	Limited warranty ( <i>optional</i> ) <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>1-year depot with 2-year system board repair service</li> <li>1-year/3-yr battery depot repair service</li> <li>1-year limited onsite service</li> <li>1-year + 2-year depot repair service</li> <li>1-year + 2-year limited onsite service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/3-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> <li>3-year/3-yr battery limited onsite service</li> </ul>									
	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.

Lenovo  
January 2020

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