

# ThinkPad X390 Yoga 20NN0026GE

**Product**  
ThinkPad X390 Yoga

**Region**  
WE

**Country**  
Germany

**Machine Type**  
20NN

**TopSeller**  
TopSeller

**Processor**  
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

**Display**  
13.3" FHD (1920x1080) IPS 300nits Glossy

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

**Storage**  
256GB SSD M.2 2280 PCIe NVMe Opal2

**Optane Memory**  
None

**Optical**  
None

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

**WWAN**  
None

**Smart Card Reader**  
Smart Card Reader

**Monitor Cable**  
None

**Bundled Accessories**  
None

**Color**  
Black

**Case Material**  
Carbon-Fiber Hybrid

**Camera**  
IR & 720p

**Keyboard**  
Backlit

**Pen**  
ThinkPad Pen Pro

**Fingerprint Reader**  
Fingerprint Reader

**NFC**  
None

**TPM**  
Discrete TPM 2.0

**Battery**  
Integrated 50Wh

**Power Adapter**  
65W USB-C

**System Management**  
None

**Operating System**  
Windows 10 Pro 64

**Bundled Software**  
None

**Warranty**  
3-year, Depot

**End of Support**  
2025-05-30

**Announce Date**  
2019-04-30

#### 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.  
<https://www.lenovo.com/hk/en/battery-info>



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# ThinkPad X390 Yoga Platform Specifications

Product Specifications Reference (PSREF)



Processor	8th Generation Intel® Core™ i5 / i7 Processor								Smart card reader Media reader Ports	
	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	4	8	1.6 GHz	4.1 GHz	6MB				
	i7-8565U	4	8	1.8 GHz	4.6 GHz	8MB				
i7-8665U	4	8	1.9 GHz	4.8 GHz	8MB					
Graphics	Intel UHD Graphics 620 in processor only; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304 @60Hz (USB Type-C); 4096x2160 @24Hz (HDMI)								Optional: Smart card reader MicroSD card reader, in the combo slot with nano-SIM card Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and Display Port), one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP), HDMI 1.4b, Ethernet extension connector, combo slot of nano-SIM card (WWAN models) and microSD card reader, headphone / microphone combo jack, optional smart card reader, side docking connector, security keyhole * Depending on many factors, actual data transfer speed may be lower than theoretical speed USB-C to HDMI: Lenovo USB-C to HDMI Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter Optional: ThinkPad Ethernet Extension Adapter Gen 2	
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	13.3" (337.8mm) FHD (1920x1080), LED backlight, IPS, Glossy, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, Color Gamut 72%, 170° viewing angle, capacitive-type multi-touch, AR (anti-reflection), AS (anti-smudge)									
Multi-touch Hinge Convert-mode Pen	supports 10-finger gesture Yoga hinge, 360 degree Laptop, tent, stand and tablet 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 2280 SSD / PCIe NVMe, PCIe 3.0 x 4</li> <li>M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2</li> </ul>								Camera	One of the following, configurable by model: <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>
Optane™ memory	Intel Optane memory, PCIe NVMe, PCIe 3.0 x 2								Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack
Optical	None								Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2								UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
WLAN	<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>								Security	Power-on password, hard disk password, supervisor password, security keyhole
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Security chip	Discrete TPM 2.0 TCG Certified
WWAN (optional)	<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>								vPro (optional)	Intel vPro Technology
Dimensions	WxDxH: 12.22" x 8.62" x 0.63"; 310.4mm x 219mm x 15.95mm								Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest
Weight	Starting at 2.85 lb (1.29kg)								NFC (optional)	Near Field Communication
Case color	Black or silver								Battery	Integrated Li-ion 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
Case Material	Display cover: Carbon-Fiber Hybrid Bottom: Carbon-Fiber Hybrid								Max battery life	MobileMark® 2014: 14.5 hrs * Battery life varies significantly with settings, usage, & other factors
									AC adapter	45W or 65W USB Type-C AC adapter
									Light sensor	None
									G-sensor	3D accelerometer
									Gyroscope	3D gyrometer
									Preload	Windows® 10 Home 64 or Windows 10 Pro 64
									Limited warranty	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>
									Mil-Spec test	MIL-STD-810G military certification
									Environment	EPEAT™ Bronze; ENERGY STAR® 7.0; RoHS-compliant

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