ThinkPad X390 Yoga  20NN002NGE

Product
ThinkPad X390 Yoga

Region
WE

Country
Germany

Machine Type
20NN

TopSeller
TopSeller

Processor
Core i7-8565U (4C / 8T, 1.8 / 4.6GHz, 8MB)

Graphics
Integrated Intel UHD Graphics 620

Chipset
Intel SoC Platform

Memory
16GB Soldered DDR4-2400

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

Multi-touch
10-point Multi-touch

Storage
512GB SSD M.2 2280 PCIe NVMe Opal2

Optane Memory
None

Optical
None

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

WWAN
Fibocom L830-EB

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.


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### ThinkPad X390 Yoga Platform Specifications

#### Processor

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<th># of Cores</th>
<th>Base Frequency</th>
<th>Max Turbo Frequency</th>
<th>Cache</th>
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<tr>
<td>i5-8255U</td>
<td>4</td>
<td>1.6 GHz</td>
<td>3.9 GHz</td>
<td>6MB</td>
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#### 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).

#### Chipset Memory

Intel SoC (System on Chip) platform

8GB or 16GB / 2400MHz DDR4 / soldered to system board, 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) supports 10-finger gesture

#### Multi-touch

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 / PCIE NVMe, PCie 3.0 x 4
-  M.2 2242 SSD / PCIE NVMe, PCie 3.0 x 2
-  Intel Optane memory, PCIE NVMe, PCie 3.0 x 2

#### Optane™ memory

None

#### Optical

Ethernet: Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2

#### WLAN

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 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

#### Bluetooth™

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

#### WWAN (optional)

- 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

#### 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 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

**Monitor cable (optional):** 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

#### Bundled Accy

- One of the following, configurable by model:
  - HD720p camera, with ThinkShutter camera privacy, fixed focus
  - HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio® Premium / dual array microphone, headphone / microphone combo jack

- EPEAT Gold: spill-resistant, multimedia Fn keys, LED backlight

- 4-row, spill-resistant, multimedia Fn keys, LED backlight

- 6-row, spill-resistant, multimedia Fn keys, LED backlight

#### Security

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

- Discrete TPM 2.0 TCG Certified

- Intel vPro Technology

- Finger print reader Touch style match on chip fingerprint reader on the palm rest

- Near Field Communication

- Integrated Li-ion 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter

- MobileMark® 2014: 14.5 hrs

#### 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

One of the following, configurable by model:

- 1-year depot repair service

- 3-year/1-year battery depot repair service

- 3-year/1-year battery limited onsite service

#### Mil-Spec test

MIL-STD-810G military certification

#### Environment

- EPEAT™ Bronze; ENERGY STAR® 7.0; RoHS-compliant

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