# ThinkPad L390 20NR001GSP

**Product**
ThinkPad L390

**Region**
WE

**Country**
Spain

**Machine Type**
20NR

**TopSeller**
TopSeller

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

**vPro**
No

**Graphics**
Integrated Intel UHD Graphics 620

**Chipset**
Intel SoC Platform

**Memory**
8GBx1 DDR4-2400

**Display**
13.3" FHD (1920x1080) IPS 250nits Anti-glare

**Multi-touch**
None

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

**Optical**
None

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

**WWAN**
None

**Smart Card Reader**
None

**Monitor Cable**
None

**Bundled Accessories**
None

**Color**
Silver

**Camera**
720p

**Keyboard**
Backlit

**Fingerprint Reader**
Fingerprint Reader

**NFC**
None

**TPM**
dTPM 2.0

**Battery**
45Wh

**Power Adapter**
65W USB-C

**Operating System**
Windows 10 Pro 64

**Warranty**
1-year, Depot

**End of Support**
2025-01-25

**Ann Date**
2018-12-25

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**

**WWW.LENOVO.COM**

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# ThinkPad L390 Platform Specifications

*Product Specifications Reference (PSREF)*

**Processor**

8th Generation Intel® Core™ i3 / i5 / i7 Processor

| Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics |
|---|---|---|---|---|---|---|---|
| i3-8145U | 2 | 4 | 2.1 GHz | 3.9 GHz | 4MB | DDR4-2400 | Intel UHD Graphics 620 |
| i5-8265U | 4 | 8 | 1.6 GHz | 3.9 GHz | 6MB | | |
| i7-8565U | | | 1.8 GHz | 4.6 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 (USB Type-C); 4096x2160@30Hz (HDMI)

**Chipset**

Intel SoC (System on Chip) platform

**Memory**

32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets

**Display**

| Size | Resolution | Surface | Type | Brightness | Aspect Ratio | Contrast Ratio | Viewing Angle |
|---|---|---|---|---|---|---|---|
| 13.3" | HD (1366x768) | Anti-glare | TN | 250 nits | 16:9 | 500:1 | 90° |
| 13.3" | FHD (1920x1080) | Anti-glare | IPS | 250 nits | 16:9 | 700:1 (non-touch)<br>800:1 (multi-touch) | 170° |

**Multi-touch *(opt)***

On-cell touch, supports 10-finger gesture (FHD only)

**Storage**

*One of the following, configurable by model:*

- M.2 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

**Optical**

None

**Ethernet**

Native Intel Ethernet Connection I219-V (*Non-vPro*) or I219-LM (*vPro*)
via optional ThinkPad Ethernet Extension Cable or
Lenovo USB-C to Ethernet Adapter

**WLAN**
**Bluetooth™**

Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card
Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

**WWAN**

None

**Dimensions**

*WxDxH:* 12.67" x 8.83" x 0.74"; 321.8mm x 224.2mm x 18.8mm

**Weight**

Starting at 3.22 lb / 1.46 kg

**Case color**

Black or Silver

**Case material**

*Display cover:* Aluminum
*Bottom:* GFRP

**Smart card reader**

None

**Media reader**

MicroSD card reader

**Ports**

Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 1,
HDMI 1.4b, Ethernet extension connector, headphone / microphone combo jack,
microSD card reader, security keyhole
** Depending on many factors, actual data transfer speed may be lower than theoretical speed*

**Monitor cable *(optional)***

*USB-C to VGA:* Lenovo USB-C to VGA Adapter
*USB-C to VGA + Power Adapter:* Lenovo USB-C to VGA plus Power Adapter
*USB-C to HDMI:* Lenovo USB-C to HDMI Adapter
*USB-C to HDMI + Power Adapter:* Lenovo USB-C to HDMI plus Power Adapter
*USB-C to DP:* Lenovo USB-C to DisplayPort Adapter

**Bundled Accessories *(optional)***

*USB-C to RJ45:* Lenovo USB-C to Ethernet Adapter
*USB-C to USB-A:* Lenovo USB-C to USB-A Adapter
*USB-C to USB-C:* Lenovo USB-C to USB-C Cable 2M

**Camera**

HD720p camera, fixed focus

**Audio support**

HD Audio, Realtek ALC3287 codec /
stereo speakers, 2W x 2, Dolby® Audio™ Premium /
dual array microphone, headphone / microphone combo jack

**Keyboard**

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

**UltraNav™**

TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch

**Security**

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

**Security chip**

Discrete TPM 2.0, TCG Certified

**vPro**

None

**Fingerprint reader**

*Optional:* Touch style fingerprint reader on the palm rest

**NFC *(optional)***

Near Field Communication

**Battery**

Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
with 65W USB Type-C AC adapter

**Max battery life**

*MobileMark® 2014:* 14.61 hr
** Battery life varies significantly with settings, usage, & other factors*

**AC adapter**

45W or 65W USB Type-C AC adapter

**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-yr battery depot repair service
- 3-year/1-yr battery limited onsite service

**Mil-Spec test**

MIL-STD-810G military certification

**Environment**

ENERGY STAR® 7.0; RoHS-compliant

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

# ThinkPad L390











