

# ThinkPad L390 20NR0010SP

**Product**  
ThinkPad L390

**Region**  
WE

**Country**  
Spain

**Machine Type**  
20NR

**TopSeller**  
TopSeller

**Processor**  
Core i3-8145U (2C, 2.1 / 3.9GHz, 4MB)

**vPro**  
No

**Graphics**  
Integrated Intel UHD Graphics 620

**Chipset**  
Intel SoC Platform

**Memory**  
4GBx1 DDR4-2400

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

**Multi-touch**  
None

**Storage**  
128GB SSD M.2 2242 PCIe NVMe

**Optical**  
None

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

**WWAN**  
None

**Smart Card Reader**  
None

**Monitor Cable**  
None

**Bundled Accessories**  
None

**Color**  
Black

**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](http://WWW.LENOVO.COM)

This publication was developed for products and services offered in the United States and E.M.E.A countries. Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication “as is” without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.



<https://psref.lenovo.com>

Visit psref website for the latest version of Product Specifications Reference.  
© Lenovo, 2019. All rights reserved.



# ThinkPad L390 Platform Specifications

Product Specifications Reference (PSREF)



|                   |   |                 |              |                |                     |   |  |                        |   |   |
|-------------------|---|-----------------|--------------|----------------|---------------------|---|--|------------------------|---|---|
| Processor         | 8th Generation Intel® Core™ i3 / i5 / i7 Processor  |                 |              |                |                     |   |  |                        | Smart card reader   | None  |
|                   | Processor Number  | # of Cores      | # of Threads | Base Frequency | Max Turbo Frequency | Cache                                     | Memory Types                             | Processor Graphics     | Media reader  | MicroSD card reader   |
|                   | i3-8145U  | 2               | 4            | 2.1 GHz        | 3.9 GHz             | 4MB                                       | DDR4-2400                                | Intel UHD Graphics 620 | 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  |
|                   | i5-8265U  | 4               | 8            | 1.6 GHz        | 3.9 GHz             | 6MB                                       |  |                        | * Depending on many factors, actual data transfer speed may be lower than theoretical speed |   |
| i7-8565U          | 1.8 GHz   |                 |              | 4.6 GHz        | 8MB                 | USB-C to VGA: Lenovo USB-C to VGA Adapter |  |                        |   |   |
| 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)                    |                 |              |                |                     |   |  |                        | Monitor cable (optional)  | USB-C to VGA + Power Adapter: Lenovo USB-C to VGA plus Power Adapter<br>USB-C to HDMI: Lenovo USB-C to HDMI Adapter<br>USB-C to HDMI + Power Adapter: Lenovo USB-C to HDMI plus Power Adapter<br>USB-C to DP: Lenovo USB-C to DisplayPort Adapter<br>USB-C to RJ45: Lenovo USB-C to Ethernet Adapter<br>USB-C to USB-A: Lenovo USB-C to USB-A Adapter<br>USB-C to USB-C: Lenovo USB-C to USB-C Cable 2M |
| Chipset Memory    | Intel SoC (System on Chip) platform<br>32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets  |                 |              |                |                     |   |  |                        | Bundled Accessories (optional)  | None  |
| Display           | Size  | Resolution      | Surface      | Type           | Brightness          | Aspect Ratio                              | Contrast Ratio                           | Viewing Angle          | Camera  | HD720p camera, fixed focus  |
|                   | 13.3"   | HD (1366x768)   | Anti-glare   | TN             | 250 nits            | 16:9                                      | 500:1                                    | 90°                    | Audio support   | HD Audio, Realtek ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack   |
|                   | 13.3"   | FHD (1920x1080) | Anti-glare   | IPS            | 250 nits            | 16:9                                      | 700:1 (non-touch)<br>800:1 (multi-touch) | 170°                   | Keyboard  | 6-row, spill-resistant, multimedia Fn keys, optional LED backlight  |
| Multi-touch (opt) | On-cell touch, supports 10-finger gesture (FHD only)  |                 |              |                |                     |   |  |                        | UltraNav™   | TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch  |
| Storage           | One of the following, configurable by model: <ul style="list-style-type: none"> <li>M.2 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> </ul> |                 |              |                |                     |   |  |                        | Security  | Power-on password, hard disk password, supervisor password, security keyhole  |
| Optical           | None  |                 |              |                |                     |   |  |                        | Security chip   | Discrete TPM 2.0, TCG Certified   |
| 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   |                 |              |                |                     |   |  |                        | vPro  | None  |
| WLAN              | Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card  |                 |              |                |                     |   |  |                        | Fingerprint reader  | Optional: Touch style fingerprint reader on the palm rest   |
| Bluetooth™        | Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter   |                 |              |                |                     |   |  |                        | NFC (optional)  | Near Field Communication  |
| WWAN              | None  |                 |              |                |                     |   |  |                        | Battery   | Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter  |
| Dimensions        | WxDxH: 12.67" x 8.83" x 0.74"; 321.8mm x 224.2mm x 18.8mm   |                 |              |                |                     |   |  |                        | Max battery life  | MobileMark® 2014: 14.61 hr<br>* Battery life varies significantly with settings, usage, & other factors   |
| Weight            | Starting at 3.22 lb / 1.46 kg   |                 |              |                |                     |   |  |                        | AC adapter  | 45W or 65W USB Type-C AC adapter  |
| Case color        | Black or Silver   |                 |              |                |                     |   |  |                        | Preload   | Windows® 10 Home 64 or Windows 10 Pro 64  |
| Case material     | Display cover: Aluminum<br>Bottom: GFRP   |                 |              |                |                     |   |  |                        | Limited warranty  | One of the following, configurable by model: <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   | ENERGY STAR® 7.0; RoHS-compliant  |

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

Lenovo  
January 2018

# ThinkPad L390

