

Legion Slim 7 16IRH8

PSREF

Product Specifications
Reference

PERFORMANCE

- Processor**
Intel® Core™ i9-13900H, 14C (6P + 8E) / 20T, P-core 2.6 / 5.4GHz, E-core 1.9 / 4.1GHz, 24MB
- Graphics**
NVIDIA® GeForce RTX™ 4070 8GB GDDR6, Boost Clock 2175MHz, TGP 115W
- Chipset**
Intel® SoC Platform
- Memory^[1]**
16GB Soldered DDR5-5200 + 16GB SO-DIMM DDR5-5200
- Memory Slots**
One memory soldered to systemboard, one DDR5 SO-DIMM slot, dual-channel capable
- Max Memory^[2]**
Up to 32GB (16GB soldered + 16GB SO-DIMM) DDR5-5200 offering
- Storage**
1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®
- Storage Support^[3]**
Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 1TB each
- Storage Slot**
Two M.2 2280 PCIe® 4.0 x4 slots
- Card Reader**
SD Card Reader
- Optical**
None
- Audio Chip**
High Definition (HD) Audio, Realtek® ALC3306 codec
- Speakers**
Stereo speakers, 2W x2, audio by HARMAN, optimized with Nahimic Audio, Smart Amplifier (AMP)
- Camera**
FHD 1080p with E-shutter
- Microphone**
2x, Array
- Battery**
Integrated 99.9Wh
- Power Adapter**
230W Slim Tip (3-pin)
- Special Features^[4]**
- AI Chip: LA2-Q
 - Legion Coldfront 5.0 cooling system

DESIGN

- Display^[5]**
16" 3.2K (3200x2000) IPS 430nits Anti-glare, 100% DCI-P3, 165Hz, Dolby Vision®, G-SYNC®, Low Blue Light, High Gaming Performance
- Touchscreen**
None
- Color Calibration**
Factory Color Calibration
- Keyboard**
White Backlit, English
- Touchpad**
Buttonless glass surface multi-touch touchpad, 75 x 120 mm (2.95 x 4.72 inches)
- Case Color**
Storm Grey
- Surface Treatment**
Anodizing
- Case Material**
Aluminium (Top), Aluminium (Bottom)
- Pen**
Pen Not Supported
- Dimensions (WxDxH)^[6]**
357.7 x 259.3 x 17.6-19.9 mm (14.08 x 10.21 x 0.69- 0.78 inches)
- Weight^[7]**
Around 2 kg (4.4 lbs)
- SOFTWARE**
- Operating System**
None
- Bundled Software**
None
- CONNECTIVITY**
- Ethernet**
No Onboard Ethernet
- WLAN + Bluetooth^{[8][9]}**
Wi-Fi® 6E, 802.11ax 2x2 + BT5.1
- WWAN**
Non-WWAN

- Standard Ports**
- 1x USB 3.2 Gen 2 (Always On)
 - 2x USB 3.2 Gen 2
 - 1x USB-C® 3.2 Gen 2 (support data transfer, Lenovo® Power Delivery 140W and DisplayPort™ 1.4)
 - 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Lenovo® Power Delivery 140W and DisplayPort™ 1.4)
 - 1x HDMI® 2.1, up to 8K/60Hz
 - 1x Headphone / microphone combo jack (3.5mm)
 - 1x Card reader
 - 1x Power connector
- SECURITY & PRIVACY**
- Security Chip**
Firmware TPM 2.0 Enabled
- Fingerprint Reader**
Touch Style, Integrated in Power Button
- Other Security**
E-shutter
- SERVICE**
- Base Warranty**
2-year, Courier or Carry-in
- Included Upgrade**
3Y Premium Care with Onsite upgrade from 2Y Depot/CCI (CPN)
- ACCESSORIES**
- Bundled Accessories^[10]**
None
- CERTIFICATIONS**
- Green Certifications**
- ErP Lot 3
 - RoHS compliant
- Other Certifications**
TÜV Rheinland® Low Blue Light (Hardware Solution)
- MODEL**
- | | | | |
|------------------------|----------------|-----------------------|--------------|
| TopSeller | : Yes | Announce Date | : 2023-04-18 |
| EAN / UPC / JAN | : 197529894774 | End of Support | : 2029-05-14 |

Note:

[1] Installed memory is actually DDR5-5600 but may run as DDR5-5200 due to processor limitation.

[2] The max memory is based on the test results with current Lenovo memory offerings.

[3] The storage capacity supported is based on the test results with current Lenovo storage offerings.

[4] This chip powers Lenovo AI Engine+, which uses.....

• Lenovo reserves the right to change specifications without notice.

To see more note information, please link to <https://psref.lenovo.com/Detail/2225?M=82Y3004VRM>

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- Replaceable Unit Service
- International Warranty Upgrade

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Recommended Accessories

Lenovo USB-C to Ethernet Adapter

The Lenovo USB-C to Ethernet Adapter is quick and easy way to connect your USB-C enabled notebook to Ethernet connections. It's ideal for imaging of systems or transferring large files quickly.

Lenovo USB-C 7-in-1 Hub

Travel - Ready Productivity. One-stop travel docking is finally here. Connect and charge new and legacy devices wherever you happen to be. Sleek and compact, the Lenovo USB-C 7-in-1 Hub fits unlimited productivity i...

For a full list of accessories and services, please visit:
<https://smartfind.Lenovo.com>

PSREF
Product Specifications
Reference