

Legion Pro 7 16IRX9H

PSREF

Product Specifications
Reference

PERFORMANCE

- Processor**
Intel® Core™ i9-14900HX, 24C (8P + 16E) / 32T, P-core 2.2 / 5.8GHz, E-core 1.6 / 4.1GHz, 36MB
- AI PC Category**
AI-Powered Gaming PC
- Graphics**
NVIDIA® GeForce RTX™ 4090 16GB GDDR6, Boost Clock 2040MHz, TGP 175W, 686 AI TOPS
- Chipset**
Intel® HM770 Chipset
- Memory**
2x 16GB SO-DIMM DDR5-5600
- Memory Slots**
Two DDR5 SO-DIMM slots, dual-channel capable
- Max Memory^[1]**
Up to 32GB DDR5-5600 offering
- Storage**
1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®
- Storage Support^[2]**
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**
None
- Optical**
None
- Audio Chip**
High Definition (HD) Audio, Realtek® ALC3306 codec
- Speakers**
Stereo speakers (super linear speaker), 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**
330W Slim Tip Tiny GaN (3-pin)
- Special Features**
- AI Chip: LA2-Q
 - Hybrid thermal solution (air cooling + liquid metal)

DESIGN

- Display^[3]**
16" WQXGA (2560x1600) IPS 500nits Anti-glare, 100% DCI-P3, 240Hz, DisplayHDR™ 400, Dolby Vision®, G-SYNC®, Low Blue Light, High Gaming Performance
- Touchscreen**
None
- Color Calibration**
Factory Color Calibration
- Keyboard**
Per-key RGB Backlit (with Lighting Lens), English
- Touchpad**
Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)
- Case Color**
Eclipse Black
- Surface Treatment**
Anodizing
- Case Material**
Aluminium (Top), Aluminium (Bottom)
- Pen**
Pen Not Supported
- Dimensions (WxDxH)^[4]**
363.5 x 262.1 x 21.95-25.9 mm (14.31 x 10.32 x 0.86-1.02 inches)
- Weight^[5]**
Around 2.62 kg (5.78 lbs)
- SOFTWARE**
- Operating System**
Windows® 11 Home Single Language, English
- Bundled Software**
Office Trial
- CONNECTIVITY**
- Ethernet**
100/1000M (RJ-45)
- WLAN + Bluetooth^{[6][7]}**
Intel® Killer Wi-Fi® 6E AX1675i, 802.11ax 2x2 + BT5.3
- WWAN**
Non-WWAN

- Standard Ports**
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
 - 3x USB-A (USB 5Gbps / USB 3.2 Gen 1)
 - 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with Lenovo® PD 140W and DisplayPort™ 1.4
 - 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with DisplayPort™ 1.4
 - 1x HDMI® 2.1, up to 8K/60Hz
 - 1x Headphone / microphone combo jack (3.5mm)
 - 1x Ethernet (RJ-45)
 - 1x Power connector

SECURITY & PRIVACY

- Security Chip**
Firmware TPM 2.0 Enabled
- Fingerprint Reader**
None
- Other Security**
E-shutter

SERVICE

- Base Warranty**
1-year, Courier or Carry-in
- Included Upgrade**
None

ACCESSORIES

- Bundled Accessories^[8]**
4 Switchable Keycaps and Easy Tool

CERTIFICATIONS

- Green Certifications**
- ErP Lot 3
 - RoHS compliant
- Other Certifications**
- TÜV Rheinland® High Gaming Performance
 - TÜV Rheinland® Low Blue Light (Hardware Solution)

MODEL

- | | | | |
|------------------------|----------------|-----------------------|--------------|
| TopSeller | : Yes | Announce Date | : 2024-05-28 |
| EAN / UPC / JAN | : 198154397159 | End of Support | : 2029-12-06 |

Note:

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

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

[3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

[4] The system dimensions may vary depending on configurations.

[5] The system weight is approximate and based on results in.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to
<https://psref.lenovo.com/Detail/2373?M=83DE0079IN>

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REAL PERSON

Choose how you want to reach us - through the phone, chat or email - our expert technicians will take care of you.

HASSLE FREE

'Getting started' and 'how-to' assistance for hardware and software. Easy solutions that are simple to reach - that's how Premium Care delivers you the ideal support experience.

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PC HEALTH CHECK

Free annual PC Health Check that allows our experts to spot issues before you do so they can resolve them quickly and help you avoid PC problems.

Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

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- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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Recommended Accessories

Lenovo Professional Wireless Combo Keyboard & Mouse (US English)

This sleek and stylish full-size keyboard and mouse combo offers exceptional quality in a modern wireless solution. The slim 3-zone keyboard with number pad has responsive quiet keys and a premium typing experience. O...

Recommended Services

BEST	4Y Premium Care Plus upgrade from 1Y Courier/Carry-in (5WS1J38550)
GOOD	3Y Onsite upgrade from 1Y Courier/Carry-in (5WS0K76356)

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

PSREF
Product Specifications
Reference