

# Legion Pro 7 16IRX9H

## 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™ 4080 12GB GDDR6, Boost Clock 2280MHz, TGP 175W, 542 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<sup>[1]</sup>**  
Up to 32GB DDR5-5600 offering
- Storage**  
1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®
- Storage Support<sup>[2]</sup>**  
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<sup>[3]</sup>**  
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)<sup>[4]</sup>**  
363.5 x 262.1 x 21.95-25.9 mm (14.31 x 10.32 x 0.86-1.02 inches)
- Weight<sup>[5]</sup>**  
Around 2.62 kg (5.78 lbs)
- SOFTWARE**
- Operating System**  
None
- Bundled Software**  
None
- CONNECTIVITY**
- Ethernet**  
100/1000M (RJ-45)
- WLAN + Bluetooth<sup>[6][7]</sup>**  
Intel® Killer Wi-Fi® 6E AX1675i, 802.11ax 2x2 + BT5.3
- WWAN**  
Non-WWAN

# PSREF

## Product Specifications Reference

- 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**  
2-year, Courier or Carry-in
- Included Upgrade**  
3Y Premium Care with Onsite upgrade from 2Y Depot/CCI (CPN)
- ACCESSORIES**
- Bundled Accessories<sup>[8]</sup>**  
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**
- |                        |                |                       |              |
|------------------------|----------------|-----------------------|--------------|
| <b>TopSeller</b>       | : No           | <b>Announce Date</b>  | : 2024-01-22 |
| <b>EAN / UPC / JAN</b> | : 197530493799 | <b>End of Support</b> | : 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.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to <https://psref.lenovo.com/Detail/2373?M=83DE004WRM>

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- 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...

### ThinkPad X1 Active Noise Cancellation Headphones

The ThinkPad X1 Active Noise Cancellation headphones provide rich, first-class listening and calling in any noise environment. Lenovo has partnered with Synaptics AudioSmartto create industry-leading headphones with H...

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

**PSREF**  
Product Specifications  
Reference