

Legion Pro 7 16IAX10H

PSREF

Product Specifications
Reference

PERFORMANCE

- Processor**
Intel® Core™ Ultra 9 275HX, 24C (8P + 16E) / 24T, Max Turbo up to 5.4GHz, 36MB
- AI PC Category**^[1]
AI-Powered Gaming PC
- NPU**
Integrated Intel® AI Boost, up to 13 TOPS
- Graphics**
NVIDIA® GeForce RTX™ 5090 24GB GDDR7, Boost Clock 2160MHz, TGP 175W, 1824 AI TOPS
- Chipset**
Intel® HM870 Chipset
- Memory**
2x 32GB CSODIMM DDR5-6400
- Memory Slots**
Two DDR5 CSODIMM slots, dual-channel capable
- Max Memory**^[2]
Up to 64GB DDR5-6400 offering
- Storage**
2TB SSD M.2 2280 PCIe® 5.0x4 Performance NVMe®
- Storage Support**^[3]
Up to two drives, 2x M.2 SSD
- M.2 2242 SSD up to 1TB
 - M.2 2280 SSD up to 2TB
- Storage Slot**
Two M.2 slots
- One M.2 2280 PCIe® 5.0 x4 slot
 - One M.2 2280 PCIe® 4.0 x4 slot
- Audio Chip**
High Definition (HD) Audio, Realtek® ALC3306 codec
- Speakers**
4 stereo speakers, 2W x2 (woofers), 2W x2 (tweeters), optimized with Nahimic Audio, Smart Amplifier (AMP)
- Camera**
5.0MP with E-shutter
- Microphone**
2x, Array
- Battery**
99.9Wh
- Power Adapter**
400W Slim Tip (3-pin)
- Special Features**
AI Chip: LA3

DESIGN

- Display**
16" WQXGA (2560x1600) OLED 500nits Glossy, 100% DCI-P3, 240Hz, DisplayHDR™ True Black 1000, Dolby Vision®, G-SYNC®, Low Blue Light, High Gaming Performance, Flicker Free
- Color Calibration**
Factory Color Calibration
- Keyboard**
Per-key RGB Backlit, Czech / Slovak
- Touchpad**
Buttonless Mylar® surface multi-touch touchpad, 75 x 120 mm (2.95 x 4.72 inches)
- Case Color**
Eclipse Black
- Surface Treatment**
Anodizing Sandblasting
- Case Material**
Aluminium (Top), Aluminium (Bottom)
- Pen**
Pen Not Supported
- Dimensions (WxDxH)**^[4]
364.38 x 275.94 x 21.9-26.65 mm (14.35 x 10.86 x 0.86-1.05 inches)
- Weight**^[5]
Starting at 2.57 kg (5.67 lbs)
- SOFTWARE**
- Operating System**
Windows® 11 Pro, Czech / Slovak / English
- Bundled Software**
Office Trial
- CONNECTIVITY**
- WLAN + Bluetooth**^[6]
Wi-Fi® 7, 802.11be 2x2 + BT5.4
- WWAN**
Non-WWAN
- Ethernet**
2.5GbE (RJ-45)
- Standard Ports**
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
 - 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On
 - 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 65-100W and DisplayPort™ 2.1
 - 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer and DisplayPort™ 2.1)
 - 1x HDMI® 2.1, up to 8K/60Hz
 - 1x Headphone / microphone combo jack (3.5mm)
 - 1x Ethernet (2.5GbE RJ-45)
 - 1x Power connector

- Docking**
Various docking solutions supported via Thunderbolt™ or USB-C®.
For more compatible docking solutions, please visit [Docking for Legion Pro 7 16IAX10H](#)
- SECURITY & PRIVACY**
- Security Chip**
Firmware TPM 2.0 Enabled
- 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 CZ&SK (CPN)
- ACCESSORIES**
- Bundled Accessories**
4 Switchable Keycaps
- CERTIFICATIONS**
- Green Certifications**
- ErP Lot 3
 - RoHS compliant
- Other Certifications**
- TÜV Rheinland® Flicker Free
 - TÜV Rheinland® High Gaming Performance
 - TÜV Rheinland® Low Blue Light (Hardware Solution)
- MODEL**
- | | | | |
|------------------------|----------------|-----------------------|--------------|
| TopSeller | : No | Announce Date | : 2025-04-10 |
| EAN / UPC / JAN | : 198158422581 | End of Support | : 2031-03-08 |

Note:

[1] AI-Powered Gaming PCs feature Lenovo AI Engine+ and NVIDIA GeForce RTX GPUs to handle AI-driven tasks and deliver exceptional gaming performance.

[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] The system dimensions may vary depending on configurations.

[5] The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

[6] Wi-Fi 7 operation is subject to the regulation rules in each country.

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to <https://psref.lenovo.com/Detail/2626?M=83F50094CK>

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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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- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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