Legion Pro 7 16IAX10H 83F5005BPB





The product images are for illustration purposes only. Actual product appearance, ports, keyboard layout, and accessories may vary by model.

- Intel Core™ Ultra 9 275HX, 24C (8P + 16E) / 24T, Max Turbo up to 5.4GHz, 36MB Intel® Smart Cache
- 2x 32GB CSODIMM DDR5-6400
- 1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®
- NVIDIA GeForce RTX™ 5090 24GB GDDR7, Boost Clock 2160MHz, TGP 175W, 1824 AI TOPS
- Case color - Eclipse Black
- 2-year (1-yr battery) courier or carry-in service

Premium Care - Advanced Support from Real People. Real Fast.

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

REAL FAST
Highly trained technicians will provide you real-time solutions, whatever the issue, on your first contact. If needed, our team will schedule an onsite visit for the next business day.

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.

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.

Base Warranty – Included with the systems you purchase, default 1- or 3-year coverage window.

Warranty Extensions & Upgrades – Service and protection that's right for your circumstances.

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

Recommended Accessories

Poland



Lenovo Wireless VoIP Headset (USB-C, Teams)

4XD1W27286



Lenovo 900 Multi-Device Wireless Mouse

GY51V37443



Lenovo Select Targus 16-inch Mobile Elite Backpack

4X41W54716

>> View More Accessories

Recommended Services

Best

4Y Premium Care with Onsite upgrade from 2Y Courier/Carry-in (5WS0W36589)

Better

3Y Premium Care with Onsite upgrade from 2Y Courier/Carry-in (5WS0T73722)

Good

3Y Onsite upgrade from 2Y Courier/Carry-in (5WS0K76342)

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PERFORMANCE

Processor
Intel Core™ Ultra 9 275HX, 24C (8P + 16E) / 24T, Max Turbo up to 5.4GHz, 36MB Intel® Smart Cache

AI PC Category
AI-Powered Gaming PC[1]

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
1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®

Storage Slot
Two M.2 slots • One M.2 2280 PCIe® 5.0 x4 slot • One M.2 2280 PCIe® 4.0 x4 slot

Max 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

Optical
None

Card Reader
No card reader

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)

Microphone
2x, Array

Camera
5.0MP with E-shutter

Battery
99.9Wh

Power Adapter
400W Slim Tip (3-pin)

Special Features
AI Chip: LA3

DESIGN

Display
16" WQXGA (2560x1600) OLED 500nits (typical) / 1100nits (peak) Glossy, 100% DCI-P3, 240Hz, DisplayHDR™ True Black 1000, Dolby Vision®, G-SYNC®, Low Blue Light, High Gaming Performance, Flicker Free

Touchscreen
None

Screen-to-Body Ratio
92% AAR (active area ratio)

Color Calibration
X-Rite® Factory Color Calibration

Pen
Pen Not Supported

Keyboard
Per-key RGB Backlit, English

Touchpad
Buttonless Mylar® surface multi-touch touchpad, 75 x 120 mm (2.95 x 4.72 inches)

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)

Case Color
Eclipse Black

Case Material
Aluminium (Top), Aluminium (Bottom)

Surface Treatment
Anodizing Sandblasting

SOFTWARE

Operating System
None

Bundled Software
None

CONNECTIVITY

WLAN + Bluetooth
Wi-Fi® 7, 802.11be 2x2 + BT5.4

WWAN
WWAN Not Supported

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 95-100W 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 Slim tip (rectangle) power connector

Docking
Various docking solutions supported via Thunderbolt™ / USB-C®. For more compatible docking solutions, please visit Docking for Legion Pro 7 16IAX10H

SECURITY & PRIVACY

Security Chip
Firmware TPM 2.0 Enabled

Fingerprint Reader
No fingerprint reader

Other Security
E-shutter

SERVICE

Base Warranty
2-year (1-yr battery) courier or carry-in service

Included Upgrade
None

ACCESSORIES

Bundled Accessories
4 Switchable Keycaps

CERTIFICATIONS

Green Certifications
- ErP Lot 3
- RoHS compliant

Other Certifications
- Pantone® SkinTone™ Validated
- Pantone® Validated
- TÜV Rheinland® Flicker Free
- TÜV Rheinland® High Gaming Performance
- TÜV Rheinland® Low Blue Light (Hardware Solution)

MODEL

Product	: Legion Pro 7 16IAX10H | Lenovo Legion™ Pro 7i (16",10)		
TopSeller	: No	**EAN / UPC / JAN**	: 198157095502
Announce Date	: 2025-04-10	**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.

- Please refer to the official Lenovo store website or contact a local Lenovo sales representative or authorized business partner for current inventory and purchase options.
- Lenovo reserves the right to change specifications without notice.