

# Legion Pro 7 16IAX10H 83F500KRBM



## PSREF Product Specifications Reference

### 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 <sup>[1]</sup>
NPU
Integrated Intel® AI Boost, up to 13 TOPS
Graphics
NVIDIA® GeForce RTX™ 5080 16GB GDDR7, Boost Clock 2287MHz, TGP 175W, 1334 AI TOPS
Chipset
Intel® HM870 Chipset
Memory
2x 32GB CSODIMM DDR5-6400
Memory Slots
Two DDR5 CSODIMM slots, dual-channel capable
Max Memory <sup>[2]</sup>
Up to 64GB DDR5-6400 offering
Storage
1TB SSD M.2 2280 PCIe® 5.0x4 Performance 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 <sup>[3]</sup>
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
None
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
Factory Color Calibration
Pen
Pen Not Supported
Keyboard
Per-key RGB Backlit, Bulgarian
Touchpad
Buttonless Mylar® surface multi-touch touchpad, 75 x 120 mm (2.95 x 4.72 inches)
Dimensions (WxDxH) <sup>[4]</sup>
364.38 x 275.94 x 21.9-26.65 mm (14.35 x 10.86 x 0.86-1.05 inches)
Weight <sup>[5]</sup>
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 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
Fingerprint Reader
None
Other Security
E-shutter

### SERVICE

Base Warranty
2-year, Courier or Carry-in
Included Upgrade
3Y Courier/Carry in from 2Y Courier/Carry in (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

Product	: Lenovo® Legion™ Pro 7i (16",10)	
TopSeller	: No	EAN / UPC / JAN: 199274189471
Announce Date:	2025-12-08	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.

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

• Please refer to the Official [Lenovo store website](#) or contact your local Lenovo sales representative or authorized business partner for current inventory and purchase options.

• <sup>1</sup> Lenovo reserves the right to change specifications without notice.



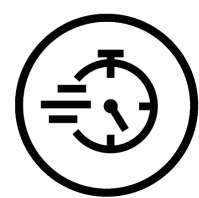
### REAL PERSON

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.



### 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.



### 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

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## Recommended Accessories



United States of America



**Lenovo Self-Charging Bluetooth Keyboard-French Canadian 058 4Y41R69498**



**Lenovo Wired VoIP Headset 5000 4XD1R88995**



**Lenovo Essential FHD Webcam Gen2 4XC1S15018**

Please click [here](#) to view the full list of accessories.

**Lenovo**

**PSREF**

Product Specifications  
Reference