

### 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™ 5090 24GB GDDR7, Boost Clock 2160MHz, TGP 175W, 1824 AI TOPS

#### Chipset

Intel® HM870 Chipset

#### Memory

2x 16GB CSODIMM DDR5-6400

#### Memory Slots

Two DDR5 CSODIMM slots, dual-channel capable

#### Max Memory<sup>[2]</sup>

Up to 32GB DDR5-6400 offering

#### Storage

2x 1TB SSD M.2 2242 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<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

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

Factory Color Calibration

#### Pen

Pen Not Supported

#### Keyboard

Per-key RGB Backlit, Spanish (LA)

#### 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

Windows® 11 Home Single Language, Spanish

#### Bundled Software

Office Trial

### 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

No Fingerprint Reader

#### Other Security

E-shutter

### SERVICE

#### Base Warranty

1-year, Courier or Carry-in

#### Included Upgrade

None

### ACCESSORIES

#### Bundled Accessories

None

### 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** : Yes **EAN / UPC / JAN**: 198155928116  
**Announce Date**: 2025-04-10 **End of Support** : 2031-04-07

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.

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

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**Recommended Accessories**



**Lenovo 15.6 Laptop Everyday Backpack B510-ROW** 4X41U80414



**Lenovo Analog In-Ear Headphones Gen II Bulk Package (20pcs)** 4XD1T54899

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

**Recommended Services**

BEST	4Y Onsite upgrade from 1Y Courier/Carry-in (5WS0W36587)
BETTER	3Y Onsite upgrade from 1Y Courier/Carry-in (5WS0K76356)



**PSREF**  
Product Specifications Reference